

**APPENDIX B**

**MAS, INC. LABORATORY REPORT  
FOR SURFACE DUST SAMPLES**

**SUMMARY LIST OF BACKUP DATA FOR  
WILLIAM EWING DUST SAMPLE REPORTS  
STATE OF OREGON**

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001	Oregon Buildings Dust Samples for William E. Ewing, CIH - October 2006
002	Letter from William E. Ewing, CIH to William E. Longo, Ph.D. re: Oregon Buildings Dust Samples
003	State of Oregon Surface Dust Sample Logs - September 2006 Cramer Hall, Portland State University, Portland, Oregon
004	Continuation of State of Oregon Surface Dust Sample Logs - September 2006 Neuberger Hall, Portland State University, Portland, Oregon Smith Memorial Student Union, Portland State University, Portland, Oregon University Center Building (UCB), Portland State University, Portland, Oregon
005	Continuation of State of Oregon Surface Dust Sample Logs - September 2006 Professional Schools Building, Portland State University, Portland, Oregon Computing Center, University of Oregon, Eugene, Oregon
006	Continuation of State of Oregon Surface Dust Sample Logs - September 2006 Gerlinger Annex, University of Oregon, Eugene, Oregon Oregon Hall, University of Oregon, Eugene, Oregon
007	MAS Project Chain of Custody
008	MAS Project Chain of Custody, page 2
009	Chain of Custody - PSU Dust Samples
0010	Chain of Custody - OU Dust Samples
0011	TEM Dust Analysis M40762 001 Portland State University and Oregon State at Eugene
0012	Continuation of TEM Dust Analysis M40762 001 Portland State University and Oregon State at Eugene
0013	Continuation of TEM Dust Analysis M40762 001 Portland State University and Oregon State at Eugene
0014	Spectra M40762-001 Chrysotile Str #1
0015	Spectra M40762-001 Chrysotile Str #2
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0017	Spectra M40762-001 Chrysotile Str #4
0018	Spectra M40762-001 Chrysotile Str #5
0019	Spectra M40762-001 Chrysotile Str #6
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0021	Spectra M40762-001 Chrysotile Str #8
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0023	Spectra M40762-001 Chrysotile Str #10
0024	Spectra M40762-001 Chrysotile Str #15
0025	M40762-001 Chrysotile Structure #15
0026	M40762-001 Chrysotile Diffraction Structure #15
0027	Verification of Chrysotile Diffraction Patterns M40762-001 Str #15
0028	Spectra M40762-001 Chrysotile Str #20
0029	Spectra M40762-001 Chrysotile Str #30
0030	Spectra M40762-001 Chrysotile Str #40
0031	Spectra M40762-001 Chrysotile Str #50
0032	TEM Dust Analysis M40762 002 Portland State University and Oregon State at Eugene
0033	Continuation of TEM Dust Analysis M40762 002 Portland State University and Oregon State at Eugene
0034	Continuation of TEM Dust Analysis M40762 002 Portland State University and Oregon State at Eugene
0035	Spectra M40762-002 Chrysotile Str #1
0036	Spectra M40762-002 Chrysotile Str #2
0037	Spectra M40762-002 Chrysotile Str #3
0038	Spectra M40762-002 Chrysotile Str #4
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0043	Spectra M40762-002 Chrysotile Str #9
0044	Spectra M40762-002 Chrysotile Str #10
0045	Spectra M40762-002 Chrysotile Str #20
0046	Spectra M40762-002 Chrysotile Str #30
0047	Spectra M40762-002 Chrysotile Str #40
0048	TEM Dust Analysis M40762 003 Portland State University and Oregon State at Eugene
0049	Continuation of TEM Dust Analysis M40762 003 Portland State University and Oregon State at Eugene
0050	Spectra M40762-003 Chrysotile Str #1
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0052	Verification of Chrysotile Diffraction Patterns M40762-003 Str #2
0053	Spectra M40762-003 Chrysotile Str #3
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0055	Spectra M40762-003 Chrysotile Str #5
0056	Spectra M40762-003 Chrysotile Str #6
0057	Spectra M40762-003 Chrysotile Str #7
0058	Spectra M40762-003 Chrysotile Str #8
0059	Spectra M40762-003 Chrysotile Str #9
0060	Spectra M40762-003 Chrysotile Str #10
0061	Spectra M40762-003 Chrysotile Str #20
0062	TEM Dust Analysis M40762 004 Portland State University and Oregon State at Eugene
0063	Continuation of TEM Dust Analysis M40762 004 Portland State University and Oregon State at Eugene
0064	Spectra M40762-004 Chrysotile Str #1
0065	Spectra M40762-004 Chrysotile Str #2
0066	Spectra M40762-004 Chrysotile Str #3
0067	Spectra M40762-004 Chrysotile Str #4
0068	Spectra M40762-004 Chrysotile Str #5
0069	Spectra M40762-004 Chrysotile Str #6
0070	Spectra M40762-004 Chrysotile Str #7
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0072	Spectra M40762-004 Chrysotile Str #9
0073	Spectra M40762-004 Chrysotile Str #10
0074	Spectra M40762-004 Chrysotile Str #20
0075	TEM Dust Analysis M40762 005 Portland State University and Oregon State at Eugene
0076	Continuation of TEM Dust Analysis M40762 005 Portland State University and Oregon State at Eugene
0077	Spectra M40762-005 Chrysotile Str #1
0078	Spectra M40762-005 Chrysotile Str #2
0079	Spectra M40762-005 Chrysotile Str #3
0080	Spectra M40762-005 Chrysotile Str #4
0081	Spectra M40762-005 Chrysotile Str #5
0082	Spectra M40762-005 Chrysotile Str #6
0083	Spectra M40762-005 Chrysotile Str #7
0084	Spectra M40762-005 Chrysotile Str #8
0085	Spectra M40762-005 Chrysotile Str #9
0086	Spectra M40762-005 Chrysotile Str #10
0087	TEM Dust Analysis M40762 006 Portland State University and Oregon State at Eugene

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0089	Continuation of TEM Dust Analysis M40762 006 Portland State University and Oregon State at Eugene
0090	Spectra M40762-006 Chrysotile Str #1
0091	Spectra M40762-006 Chrysotile Str #2
0092	Spectra M40762-006 Chrysotile Str #3
0093	Spectra M40762-006 Chrysotile Str #4
0094	Spectra M40762-006 Chrysotile Str #5
0095	Spectra M40762-006 Chrysotile Str #6
0096	Spectra M40762-006 Chrysotile Str #7
0097	Spectra M40762-006 Chrysotile Str #8
0098	Spectra M40762-006 Chrysotile Str #9
0099	Spectra M40762-006 Chrysotile Str #10
00100	Spectra M40762-006 Chrysotile Str #20
00101	Spectra M40762-006 Chrysotile Str #30
00102	Spectra M40762-006 Chrysotile Str #40
00103	Spectra M40762-006 Chrysotile Str #50
00104	TEM Dust Analysis M40762 007 Portland State University and Oregon State at Eugene
00105	Continuation of TEM Dust Analysis M40762 007 Portland State University and Oregon State at Eugene
00106	Spectra M40762-007 Chrysotile Str #1
00107	Spectra M40762-007 Chrysotile Str #2
00108	Spectra M40762-007 Chrysotile Str #3
00109	Spectra M40762-007 Chrysotile Str #4
00110	Spectra M40762-007 Chrysotile Str #5
00111	Spectra M40762-007 Chrysotile Str #6
00112	Spectra M40762-007 Chrysotile Str #7
00113	Spectra M40762-007 Chrysotile Str #8
00114	Spectra M40762-007 Chrysotile Str #9
00115	Spectra M40762-007 Chrysotile Str #10
00116	TEM Dust Analysis M40762 008 Portland State University and Oregon State at Eugene
00117	TEM Dust Analysis M40762 009 Portland State University and Oregon State at Eugene
00118	Continuation of TEM Dust Analysis M40762 009 Portland State University and Oregon State at Eugene
00119	Spectra M40762-009 Chrysotile Str #1
00120	Spectra M40762-009 Chrysotile Str #2
00121	Spectra M40762-009 Chrysotile Str #3
00122	Spectra M40762-009 Chrysotile Str #4
00123	Spectra M40762-009 Chrysotile Str #5
00124	Spectra M40762-009 Chrysotile Str #6
00125	Spectra M40762-009 Chrysotile Str #7
00126	Spectra M40762-009 Chrysotile Str #8
00127	Spectra M40762-009 Chrysotile Str #9
00128	Spectra M40762-009 Chrysotile Str #10
00129	Spectra M40762-009 Chrysotile Str #20
00130	M40762-009 Chrysotile Structure #20
00131	M40762-009 Chrysotile Diffraction Structure #20
00132	Verification of Chrysotile Diffraction Patterns M40762-009 Str #20
00133	TEM Dust Analysis M40762 010 Portland State University and Oregon State at Eugene

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00136	Spectra M40762-010 Chrysotile Str #2
00137	Spectra M40762-010 Chrysotile Str #3
00138	Spectra M40762-010 Chrysotile Str #4
00139	TEM Dust Analysis M40762 011 Portland State University and Oregon State at Eugene
00140	Continuation of TEM Dust Analysis M40762 011 Portland State University and Oregon State at Eugene
00141	Spectra M40762-011 Chrysotile Str #1
00142	Spectra M40762-011 Chrysotile Str #2
00143	Spectra M40762-011 Chrysotile Str #3
00144	Spectra M40762-011 Chrysotile Str #4
00145	Spectra M40762-011 Chrysotile Str #5
00146	Spectra M40762-011 Chrysotile Str #6
00147	Spectra M40762-011 Chrysotile Str #7
00148	Spectra M40762-011 Chrysotile Str #8
00149	Spectra M40762-011 Chrysotile Str #9
00150	Spectra M40762-011 Chrysotile Str #10
00151	Spectra M40762-011 Chrysotile Str #20
00152	TEM Dust Analysis M40762 012 Portland State University and Oregon State at Eugene
00153	Continuation of TEM Dust Analysis M40762 012 Portland State University and Oregon State at Eugene
00154	Spectra M40762-012 Chrysotile Str #1
00155	Spectra M40762-012 Chrysotile Str #2
00156	Spectra M40762-012 Chrysotile Str #3
00157	Spectra M40762-012 Chrysotile Str #4
00158	Spectra M40762-012 Chrysotile Str #5
00159	Spectra M40762-012 Chrysotile Str #6
00160	Spectra M40762-012 Chrysotile Str #7
00161	Spectra M40762-012 Chrysotile Str #8
00162	Spectra M40762-012 Chrysotile Str #9
00163	Spectra M40762-012 Chrysotile Str #10
00164	Spectra M40762-012 Chrysotile Str #20
00165	TEM Dust Analysis M40762 013 Portland State University and Oregon State at Eugene
00166	Continuation of TEM Dust Analysis M40762 013 Portland State University and Oregon State at Eugene
00167	Continuation of TEM Dust Analysis M40762 013 Portland State University and Oregon State at Eugene
00168	Spectra M40762-013 Chrysotile Str #1
00169	M40762-013 Chrysotile Diffraction Structure #1
00170	Verification of Chrysotile Diffraction Patterns M40762-013 Str #1
00171	Spectra M40762-013 Chrysotile Str #2
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00176	Spectra M40762-013 Chrysotile Str #7
00177	M40762-013 Structure #3 - #26
00178	Spectra M40762-013 Chrysotile Str #8
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00184	Continuation of TEM Dust Analysis M40762 014 Portland State University and Oregon State at Eugene
00185	Continuation of TEM Dust Analysis M40762 014 Portland State University and Oregon State at Eugene
00186	Continuation of TEM Dust Analysis M40762 014 Portland State University and Oregon State at Eugene
00187	Continuation of TEM Dust Analysis M40762 014 Portland State University and Oregon State at Eugene
00188	Continuation of TEM Dust Analysis M40762 014 Portland State University and Oregon State at Eugene
00189	Spectra M40762-014 Chrysotile Str #1
00190	Verification of Chrysotile Diffraction Patterns M40762-014 Str #1
00191	Spectra M40762-014 Chrysotile Str #2
00192	Spectra M40762-014 Chrysotile Str #3
00193	Spectra M40762-014 Chrysotile Str #4
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00195	Spectra M40762-014 Chrysotile Str #6
00196	Spectra M40762-014 Chrysotile Str #7
00197	Spectra M40762-014 Chrysotile Str #8
00198	Spectra M40762-014 Chrysotile Str #9
00199	Spectra M40762-014 Chrysotile Str #10
00200	Spectra M40762-014 Chrysotile Str #20
00201	Spectra M40762-014 Chrysotile Str #30
00202	Spectra M40762-014 Chrysotile Str #40
00203	Spectra M40762-014 Chrysotile Str #50
00204	Spectra M40762-014 Chrysotile Str #60
00205	Spectra M40762-014 Chrysotile Str #70
00206	Spectra M40762-014 Chrysotile Str #80
00207	Spectra M40762-014 Amphibole Str #86
00208	Verification of Zero Degree Amphibole Diffraction Patterns M40762-014 Str #86
00209	Spectra M40762-014 Amphibole Str #86
00210	Spectra M40762-014 Chrysotile Str #90
00211	Spectra M40762-014 Chrysotile Str #100
00212	TEM Dust Analysis M40762 015 Portland State University and Oregon State at Eugene
00213	Continuation of TEM Dust Analysis M40762 015 Portland State University and Oregon State at Eugene
00214	Continuation of TEM Dust Analysis M40762 015 Portland State University and Oregon State at Eugene
00215	Continuation of TEM Dust Analysis M40762 015 Portland State University and Oregon State at Eugene
00216	Continuation of TEM Dust Analysis M40762 015 Portland State University and Oregon State at Eugene
00217	Continuation of TEM Dust Analysis M40762 015 Portland State University and Oregon State at Eugene
00218	Spectra M40762-015 Chrysotile Str #1
00219	M40762-015 Chrysotile Diffraction Structure #1
00220	Verification of Chrysotile Diffraction Patterns M40762-015 Str #1
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00226	Spectra M40762-015 Chrysotile Str #8
00227	Spectra M40762-015 Chrysotile Str #9
00228	Spectra M40762-015 Chrysotile Str #10
00229	Spectra M40762-015 Chrysotile Str #11
00230	Spectra M40762-015 Chrysotile Str #20
00231	Spectra M40762-015 Chrysotile Str #30
00232	Spectra M40762-015 Chrysotile Str #40
00233	Spectra M40762-015 Chrysotile Str #50
00234	Spectra M40762-015 Chrysotile Str #60
00235	Spectra M40762-015 Chrysotile Str #70
00236	Spectra M40762-015 Chrysotile Str #80
00237	Spectra M40762-015 Chrysotile Str #90
00238	Spectra M40762-015 Chrysotile Str #100
00239	TEM Dust Analysis M40762 016 Portland State University and Oregon State at Eugene
00240	Continuation of TEM Dust Analysis M40762 016 Portland State University and Oregon State at Eugene
00241	Continuation of TEM Dust Analysis M40762 016 Portland State University and Oregon State at Eugene
00242	Continuation of TEM Dust Analysis M40762 016 Portland State University and Oregon State at Eugene
00243	Continuation of TEM Dust Analysis M40762 016 Portland State University and Oregon State at Eugene
00244	Continuation of TEM Dust Analysis M40762 016 Portland State University and Oregon State at Eugene
00245	Spectra M40762-016 Chrysotile Str #1
00246	Spectra M40762-016 Chrysotile Str #2
00247	Spectra M40762-016 Chrysotile Str #3
00248	Spectra M40762-016 Chrysotile Str #4
00249	Spectra M40762-016 Chrysotile Str #5
00250	Spectra M40762-016 Chrysotile Str #6
00251	Spectra M40762-016 Chrysotile Str #7
00252	Spectra M40762-016 Chrysotile Str #8
00253	Spectra M40762-016 Chrysotile Str #9
00254	Spectra M40762-016 Chrysotile Str #10
00255	Spectra M40762-016 Chrysotile Str #20
00256	Spectra M40762-016 Chrysotile Str #30
00257	Spectra M40762-016 Chrysotile Str #40
00258	Spectra M40762-016 Chrysotile Str #50
00259	Spectra M40762-016 Chrysotile Str #60
00260	Spectra M40762-016 Chrysotile Str #70
00261	Spectra M40762-016 Chrysotile Str #80
00262	Spectra M40762-016 Chrysotile Str #90
00263	Spectra M40762-016 Chrysotile Str #100
00264	TEM Dust Analysis M40762 017 Portland State University and Oregon State at Eugene
00265	Continuation of TEM Dust Analysis M40762 017 Portland State University and Oregon State at Eugene
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00269	Continuation of TEM Dust Analysis M40762 017 Portland State University and Oregon State at Eugene
00270	Continuation of TEM Dust Analysis M40762 017 Portland State University and Oregon State at Eugene
00271	Continuation of TEM Dust Analysis M40762 017 Portland State University and Oregon State at Eugene
00272	Spectra M40762-017 Chrysotile Str #1
00273	Spectra M40762-017 Chrysotile Str #2
00274	Spectra M40762-017 Chrysotile Str #3
00275	Spectra M40762-017 Chrysotile Str #4
00276	Spectra M40762-017 Chrysotile Str #5
00277	Spectra M40762-017 Chrysotile Str #6
00278	Spectra M40762-017 Chrysotile Str #7
00279	Spectra M40762-017 Chrysotile Str #8
00280	Spectra M40762-017 Chrysotile Str #9
00281	Spectra M40762-017 Chrysotile Str #10
00282	Spectra M40762-017 Chrysotile Str #20
00283	Spectra M40762-017 Chrysotile Str #30
00284	Spectra M40762-017 Chrysotile Str #40
00285	Spectra M40762-017 Chrysotile Str #50
00286	Spectra M40762-017 Chrysotile Str #60
00287	Spectra M40762-017 Chrysotile Str #70
00288	Spectra M40762-017 Chrysotile Str #80
00289	Spectra M40762-017 Chrysotile Str #90
00290	Spectra M40762-017 Chrysotile Str #100
00291	Spectra M40762-017 Chrysotile Str #110
00292	Spectra M40762-017 Chrysotile Str #120
00293	Spectra M40762-017 Chrysotile Str #130
00294	Spectra M40762-017 Chrysotile Str #140
00295	Spectra M40762-017 Chrysotile Str #150
00296	TEM Dust Analysis M40762 018 Portland State University and Oregon State at Eugene
00297	Continuation of TEM Dust Analysis M40762 018 Portland State University and Oregon State at Eugene
00298	Continuation of TEM Dust Analysis M40762 018 Portland State University and Oregon State at Eugene
00299	Spectra M40762-018 Chrysotile Str #1
00300	Spectra M40762-018 Chrysotile Str #2
00301	Spectra M40762-018 Chrysotile Str #3
00302	Spectra M40762-018 Chrysotile Str #4
00303	Spectra M40762-018 Chrysotile Str #5
00304	Spectra M40762-018 Chrysotile Str #6
00305	Spectra M40762-018 Chrysotile Str #7
00306	Spectra M40762-018 Chrysotile Str #8
00307	Spectra M40762-018 Chrysotile Str #9
00308	Spectra M40762-018 Chrysotile Str #10
00309	Spectra M40762-018 Chrysotile Str #20
00310	Spectra M40762-018 Chrysotile Str #30
00311	Spectra M40762-018 Chrysotile Str #40
00312	Spectra M40762-018 Chrysotile Str #50

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00313	TEM Dust Analysis M40762 019 Portland State University and Oregon State at Eugene
00314	Continuation of TEM Dust Analysis M40762 019 Portland State University and Oregon State at Eugene
00315	Continuation of TEM Dust Analysis M40762 019 Portland State University and Oregon State at Eugene
00316	Continuation of TEM Dust Analysis M40762 019 Portland State University and Oregon State at Eugene
00317	Continuation of TEM Dust Analysis M40762 019 Portland State University and Oregon State at Eugene
00318	Continuation of TEM Dust Analysis M40762 019 Portland State University and Oregon State at Eugene
00319	Spectra M40762-019 Chrysotile Str #1
00320	Spectra M40762-019 Chrysotile Str #2
00321	M40762-019 Chrysotile Diffraction Structure #2
00322	Verification of Chrysotile Diffraction Patterns M40762-019 Str #2
00323	Spectra M40762-019 Chrysotile Str #3
00324	Spectra M40762-019 Chrysotile Str #4
00325	Spectra M40762-019 Chrysotile Str #5
00326	Spectra M40762-019 Chrysotile Str #6
00327	Spectra M40762-019 Chrysotile Str #7
00328	Spectra M40762-019 Chrysotile Str #8
00329	Spectra M40762-019 Chrysotile Str #9
00330	Spectra M40762-019 Chrysotile Str #10
00331	Spectra M40762-019 Chrysotile Str #20
00332	Spectra M40762-019 Chrysotile Str #30
00333	Spectra M40762-019 Chrysotile Str #40
00334	Spectra M40762-019 Chrysotile Str #50
00335	Spectra M40762-019 Chrysotile Str #60
00336	Spectra M40762-019 Chrysotile Str #70
00337	Spectra M40762-019 Chrysotile Str #80
00338	Spectra M40762-019 Chrysotile Str #90
00339	Spectra M40762-019 Chrysotile Str #100
00340	TEM Dust Analysis M40762 020 Portland State University and Oregon State at Eugene
00341	Continuation of TEM Dust Analysis M40762 020 Portland State University and Oregon State at Eugene
00342	Spectra M40762-020 Chrysotile Str #1
00343	M40762-020 Chrysotile Diffraction Structure #1
00344	Verification of Chrysotile Diffraction Patterns M40762-020 Str #1
00345	Spectra M40762-020 Chrysotile Str #2
00346	Spectra M40762-020 Chrysotile Str #3
00347	Spectra M40762-020 Chrysotile Str #4
00348	Spectra M40762-020 Chrysotile Str #5
00349	M40762-020 Chrysotile Structure #5
00350	M40762-020 Chrysotile Diffraction Structure #5
00351	Verification of Chrysotile Diffraction Patterns M40762-020 Str #5
00352	Spectra M40762-020 Chrysotile Str #6
00353	Spectra M40762-020 Chrysotile Str #7
00354	Spectra M40762-020 Chrysotile Str #8
00355	Spectra M40762-020 Chrysotile Str #9
00356	Spectra M40762-020 Chrysotile Str #10
00357	TEM Dust Analysis M40762 021 Portland State University and Oregon State at Eugene

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00359	Continuation of TEM Dust Analysis M40762 021 Portland State University and Oregon State at Eugene
00360	Continuation of TEM Dust Analysis M40762 021 Portland State University and Oregon State at Eugene
00361	Continuation of TEM Dust Analysis M40762 021 Portland State University and Oregon State at Eugene
00362	Continuation of TEM Dust Analysis M40762 021 Portland State University and Oregon State at Eugene
00363	Spectra M40762-021 Chrysotile Str #1
00364	M40762-021 Chrysotile Diffraction Structure #1
00365	Verification of Chrysotile Diffraction Patterns M40762-021 Str #1
00366	Spectra M40762-021 Chrysotile Str #2
00367	Spectra M40762-021 Chrysotile Str #3
00368	Spectra M40762-021 Chrysotile Str #4
00369	Spectra M40762-021 Chrysotile Str #5
00370	Spectra M40762-021 Chrysotile Str #6
00371	Spectra M40762-021 Chrysotile Str #7
00372	Spectra M40762-021 Chrysotile Str #8
00373	Spectra M40762-021 Chrysotile Str #9
00374	Spectra M40762-021 Chrysotile Str #10
00375	Spectra M40762-021 Chrysotile Str #20
00376	Spectra M40762-021 Chrysotile Str #30
00377	Spectra M40762-021 Chrysotile Str #40
00378	Spectra M40762-021 Chrysotile Str #50
00379	Spectra M40762-021 Chrysotile Str #60
00380	Spectra M40762-021 Chrysotile Str #70
00381	Spectra M40762-021 Chrysotile Str #80
00382	Spectra M40762-021 Chrysotile Str #90
00383	Spectra M40762-021 Chrysotile Str #100
00384	TEM Dust Analysis M40762 022 Portland State University and Oregon State at Eugene
00385	Continuation of TEM Dust Analysis M40762 022 Portland State University and Oregon State at Eugene
00386	Spectra M40762-022 Chrysotile Str #1
00387	Verification of Chrysotile Diffraction Patterns M40762-022 Str #1
00388	Spectra M40762-022 Chrysotile Str #2
00389	Spectra M40762-022 Chrysotile Str #3
00390	Spectra M40762-022 Chrysotile Str #4
00391	Spectra M40762-022 Chrysotile Str #5
00392	Spectra M40762-022 Chrysotile Str #6
00393	Spectra M40762-022 Chrysotile Str #7
00394	Spectra M40762-022 Chrysotile Str #8
00395	Spectra M40762-022 Chrysotile Str #9
00396	Spectra M40762-022 Chrysotile Str #10
00397	Spectra M40762-022 Chrysotile Str #19
00398	Spectra M40762-022 Chrysotile Str #29
00399	TEM Dust Analysis M40762 023 Portland State University and Oregon State at Eugene
00400	TEM Dust Analysis M40762 024 Portland State University and Oregon State at Eugene
00401	TEM Dust Analysis M40762 025 Portland State University and Oregon State at Eugene

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STATE OF OREGON**

Page No.	Description
00402	TEM Dust Analysis M40762 026 Portland State University and Oregon State at Eugene
00403	TEM Dust Analysis M40762 027 Portland State University and Oregon State at Eugene
00404	TEM Dust Analysis M40762 028 Portland State University and Oregon State at Eugene
00405	TEM Dust Analysis M40762 029 Portland State University and Oregon State at Eugene
00406	TEM Dust Analysis M40762 030 Portland State University and Oregon State at Eugene
00407	TEM Dust Analysis M40762 031 Portland State University and Oregon State at Eugene
00408	Continuation of TEM Dust Analysis M40762 031 Portland State University and Oregon State at Eugene
00409	Spectra M40762-031 Chrysotile Str #1
00410	Spectra M40762-031 Chrysotile Str #2
00411	Spectra M40762-031 Chrysotile Str #3
00412	Spectra M40762-031 Chrysotile Str #4
00413	Spectra M40762-031 Chrysotile Str #5
00414	Spectra M40762-031 Chrysotile Str #6
00415	Spectra M40762-031 Chrysotile Str #7
00416	Spectra M40762-031 Chrysotile Str #8
00417	Spectra M40762-031 Chrysotile Str #9
00418	Spectra M40762-031 Chrysotile Str #10
00419	Spectra M40762-031 Chrysotile Str #20
00420	Spectra M40762-031 Chrysotile Str #30
00421	TEM Dust Analysis M40762 032 Portland State University and Oregon State at Eugene
00422	Continuation of TEM Dust Analysis M40762 032 Portland State University and Oregon State at Eugene
00423	Continuation of TEM Dust Analysis M40762 032 Portland State University and Oregon State at Eugene
00424	Continuation of TEM Dust Analysis M40762 032 Portland State University and Oregon State at Eugene
00425	Continuation of TEM Dust Analysis M40762 032 Portland State University and Oregon State at Eugene
00426	Continuation of TEM Dust Analysis M40762 032 Portland State University and Oregon State at Eugene
00427	Continuation of TEM Dust Analysis M40762 032 Portland State University and Oregon State at Eugene
00428	Spectra M40762-032 Chrysotile Str #1
00429	M40762-032 Chrysotile Structure #1
00430	Verification of Chrysotile Diffraction Patterns M40762-032
00431	Spectra M40762-032 Chrysotile Str #2
00432	Spectra M40762-032 Chrysotile Str #3
00433	Spectra M40762-032 Chrysotile Str #4
00434	Spectra M40762-032 Chrysotile Str #5
00435	Spectra M40762-032 Chrysotile Str #6
00436	Spectra M40762-032 Chrysotile Str #7
00437	Spectra M40762-032 Chrysotile Str #8
00438	Spectra M40762-032 Chrysotile Str #9
00439	Spectra M40762-032 Chrysotile Str #10
00440	Spectra M40762-032 Chrysotile Str #20
00441	Spectra M40762-032 Chrysotile Str #30

**SUMMARY LIST OF BACKUP DATA FOR  
WILLIAM EWING DUST SAMPLE REPORTS  
STATE OF OREGON**

Page No.	Description
00442	Spectra M40762-032 Chrysotile Str #40
00443	Spectra M40762-032 Chrysotile Str #50
00444	Spectra M40762-032 Chrysotile Str #60
00445	Spectra M40762-032 Chrysotile Str #70
00446	Spectra M40762-032 Chrysotile Str #80
00447	Spectra M40762-032 Chrysotile Str #90
00448	Spectra M40762-032 Chrysotile Str #100
00449	Spectra M40762-032 Chrysotile Str #110
00450	Spectra M40762-032 Chrysotile Str #120
00451	Spectra M40762-032 Chrysotile Str #130
00452	TEM Dust Analysis M40762 033 Portland State University and Oregon State at Eugene
00453	Continuation of TEM Dust Analysis M40762 033 Portland State University and Oregon State at Eugene
00454	Spectra M40762-033 Chrysotile Str #1
00455	Spectra M40762-033 Chrysotile Str #2
00456	Verification of Chrysotile Diffraction Patterns M40762-033 Str #2
00457	Spectra M40762-033 Chrysotile Str #3
00458	Spectra M40762-033 Chrysotile Str #4
00459	Spectra M40762-033 Chrysotile Str #5
00460	Spectra M40762-033 Chrysotile Str #6
00461	Spectra M40762-033 Tremolite Str #7
00462	Verification of Zero Degree Amphibole Diffraction Patterns M40762-033 Str #7
00463	Spectra M40762-033 Chrysotile Str #8
00464	Spectra M40762-033 Chrysotile Str #9
00465	Spectra M40762-033 Chrysotile Str #10
00466	Spectra M40762-033 Chrysotile Str #20
00467	TEM Dust Analysis M40762 034 Portland State University and Oregon State at Eugene
00468	TEM Dust Analysis M40762 035 Portland State University and Oregon State at Eugene
00469	Spectra M40762-035 Chrysotile Str #1
00470	Spectra M40762-035 Chrysotile Str #2
00471	Spectra M40762-035 Tremolite Str #3
00472	Spectra M40762-035 Chrysotile Str #4
00473	Spectra M40762-035 Chrysotile Str #5
00474	Spectra M40762-035 Chrysotile Str #6
00475	Spectra M40762-035 Chrysotile Str #7
00476	TEM Dust Analysis M40762 036 Portland State University and Oregon State at Eugene
00477	Continuation of TEM Dust Analysis M40762 036 Portland State University and Oregon State at Eugene
00478	Spectra M40762-036 Chrysotile Str #1
00479	Spectra M40762-036 Chrysotile Str #2
00480	Spectra M40762-036 Chrysotile Str #3
00481	Spectra M40762-036 Chrysotile Str #4
00482	Spectra M40762-036 Chrysotile Str #5
00483	Spectra M40762-036 Chrysotile Str #6
00484	Spectra M40762-036 Chrysotile Str #7
00485	Spectra M40762-036 Chrysotile Str #8
00486	Spectra M40762-036 Chrysotile Str #9
00487	Spectra M40762-036 Chrysotile Str #10
00488	TEM Dust Analysis M40762 037 Portland State University and Oregon State at Eugene

**SUMMARY LIST OF BACKUP DATA FOR  
WILLIAM EWING DUST SAMPLE REPORTS  
STATE OF OREGON**

Page No.	Description
00489	Continuation of TEM Dust Analysis M40762 037 Portland State University and Oregon State at Eugene
00490	Spectra M40762-037 Chrysotile Str #1
00491	Spectra M40762-037 Chrysotile Str #2
00492	Spectra M40762-037 Chrysotile Str #3
00493	Spectra M40762-037 Chrysotile Str #4
00494	Spectra M40762-037 Chrysotile Str #5
00495	Spectra M40762-037 Chrysotile Str #6
00496	Spectra M40762-037 Chrysotile Str #7
00497	Spectra M40762-037 Chrysotile Str #8
00498	Spectra M40762-037 Chrysotile Str #9
00499	Spectra M40762-037 Chrysotile Str #10
00500	Spectra M40762-037 Chrysotile Str #20
00501	TEM Dust Analysis M40762 038 Portland State University and Oregon State at Eugene
00502	Continuation of TEM Dust Analysis M40762 038 Portland State University and Oregon State at Eugene
00503	Continuation of TEM Dust Analysis M40762 038 Portland State University and Oregon State at Eugene
00504	Continuation of TEM Dust Analysis M40762 038 Portland State University and Oregon State at Eugene
00505	Spectra M40762-038 Chrysotile Str #1
00506	Spectra M40762-038 Chrysotile Str #2
00507	Spectra M40762-038 Chrysotile Str #3
00508	Spectra M40762-038 Chrysotile Str #4
00509	Spectra M40762-038 Chrysotile Str #5
00510	Spectra M40762-038 Chrysotile Str #6
00511	Spectra M40762-038 Chrysotile Str #7
00512	Spectra M40762-038 Chrysotile Str #8
00513	Spectra M40762-038 Chrysotile Str #9
00514	Spectra M40762-038 Chrysotile Str #10
00515	Spectra M40762-038 Chrysotile Str #20
00516	Spectra M40762-038 Chrysotile Str #30
00517	Spectra M40762-038 Chrysotile Str #40
00518	Spectra M40762-038 Chrysotile Str #50
00519	Spectra M40762-038 Chrysotile Str #60
00520	TEM Dust Analysis M40762 039 Portland State University and Oregon State at Eugene
00521	Continuation of TEM Dust Analysis M40762 039 Portland State University and Oregon State at Eugene
00522	Continuation of TEM Dust Analysis M40762 039 Portland State University and Oregon State at Eugene
00523	Continuation of TEM Dust Analysis M40762 039 Portland State University and Oregon State at Eugene
00524	Continuation of TEM Dust Analysis M40762 039 Portland State University and Oregon State at Eugene
00525	Continuation of TEM Dust Analysis M40762 039 Portland State University and Oregon State at Eugene
00526	Spectra M40762-039 Chrysotile Str #1
00527	Spectra M40762-039 Chrysotile Str #2
00528	Spectra M40762-039 Chrysotile Str #3
00529	Spectra M40762-039 Chrysotile Str #4
00530	Spectra M40762-039 Chrysotile Str #5
00531	M40762-039 Chrysotile Structure #5

**SUMMARY LIST OF BACKUP DATA FOR  
WILLIAM EWING DUST SAMPLE REPORTS  
STATE OF OREGON**

Page No.	Description
00532	M40762-039 Chrysotile Diffraction Structure #5
00533	Verification of Chrysotile Diffraction Patterns M40762-039 Str #5
00534	Spectra M40762-039 Chrysotile Str #6
00535	M40762-039 Chrysotile Structure #6
00536	Spectra M40762-039 Chrysotile Str #7
00537	Spectra M40762-039 Chrysotile Str #8
00538	Spectra M40762-039 Chrysotile Str #9
00539	Spectra M40762-039 Chrysotile Str #10
00540	Spectra M40762-039 Chrysotile Str #20
00541	Spectra M40762-039 Tremolite Str #27
00542	M40762-039 Tremolite Structure #27
00543	M40762-039 Tremolite Diffraction Structure #27
00544	Verification of Zero Degree Amphibole Diffraction Patterns M40762-039 Str #27
00545	Spectra M40762-039 Chrysotile Str #30
00546	Spectra M40762-039 Chrysotile Str #40
00547	Spectra M40762-039 Chrysotile Str #50
00548	Spectra M40762-039 Chrysotile Str #60
00549	TEM Dust Analysis M40762 040 Portland State University and Oregon State at Eugene
00550	Continuation of TEM Dust Analysis M40762 040 Portland State University and Oregon State at Eugene
00551	Continuation of TEM Dust Analysis M40762 040 Portland State University and Oregon State at Eugene
00552	Continuation of TEM Dust Analysis M40762 040 Portland State University and Oregon State at Eugene
00553	Continuation of TEM Dust Analysis M40762 040 Portland State University and Oregon State at Eugene
00554	Spectra M40762-040 Chrysotile Str #1
00555	Spectra M40762-040 Chrysotile Str #2
00556	Spectra M40762-040 Chrysotile Str #3
00557	Spectra M40762-040 Chrysotile Str #4
00558	Spectra M40762-040 Chrysotile Str #5
00559	Spectra M40762-040 Chrysotile Str #6
00560	Spectra M40762-040 Chrysotile Str #7
00561	Spectra M40762-040 Chrysotile Str #8
00562	Spectra M40762-040 Chrysotile Str #9
00563	Spectra M40762-040 Chrysotile Str #10
00564	Spectra M40762-040 Chrysotile Str #20
00565	Spectra M40762-040 Chrysotile Str #30
00566	Spectra M40762-040 Chrysotile Str #40
00567	Spectra M40762-040 Chrysotile Str #50
00568	Spectra M40762-040 Chrysotile Str #60
00569	Spectra M40762-040 Chrysotile Str #70
00570	Spectra M40762-040 Chrysotile Str #80
00571	TEM Dust Analysis M40762 041 Portland State University and Oregon State at Eugene
00572	TEM Dust Analysis M40762 042 Portland State University and Oregon State at Eugene
00573	Continuation of TEM Dust Analysis M40762 042 Portland State University and Oregon State at Eugene
00574	Spectra M40762-042 Chrysotile Str #1
00575	Spectra M40762-042 Chrysotile Str #2
00576	Spectra M40762-042 Chrysotile Str #3
00577	M40762-042 Chrysotile Diffraction Structure #3

**SUMMARY LIST OF BACKUP DATA FOR  
WILLIAM EWING DUST SAMPLE REPORTS  
STATE OF OREGON**

Page No.	Description
00578	Verification of Chrysotile Diffraction Patterns M40762-042 Str #3
00579	Spectra M40762-042 Chrysotile Str #4
00580	Spectra M40762-042 Chrysotile Str #5
00581	Spectra M40762-042 Chrysotile Str #6
00582	Spectra M40762-042 Chrysotile Str #7
00583	Spectra M40762-042 Chrysotile Str #8
00584	Spectra M40762-042 Chrysotile Str #9
00585	Spectra M40762-042 Chrysotile Str #10
00586	TEM Dust Analysis M40762 043 Portland State University and Oregon State at Eugene
00587	Continuation of TEM Dust Analysis M40762 043 Portland State University and Oregon State at Eugene
00588	Continuation of TEM Dust Analysis M40762 043 Portland State University and Oregon State at Eugene
00589	Spectra M40762-043 Chrysotile Str #1
00590	Spectra M40762-043 Chrysotile Str #2
00591	Spectra M40762-043 Chrysotile Str #3
00592	Spectra M40762-043 Chrysotile Str #4
00593	Spectra M40762-043 Chrysotile Str #5
00594	Spectra M40762-043 Chrysotile Str #6
00595	Spectra M40762-043 Chrysotile Str #7
00596	Spectra M40762-043 Chrysotile Str #8
00597	Spectra M40762-043 Chrysotile Str #9
00598	Spectra M40762-043 Chrysotile Str #10
00599	Spectra M40762-043 Chrysotile Str #20
00600	Spectra M40762-043 Chrysotile Str #30
00601	Spectra M40762-043 Chrysotile Str #40
00602	Spectra M40762-043 Chrysotile Str #50
00603	TEM Dust Analysis M40762 044 Portland State University and Oregon State at Eugene
00604	Continuation of TEM Dust Analysis M40762 044 Portland State University and Oregon State at Eugene
00605	Spectra M40762-044 Chrysotile Str #1
00606	M40762-044 Chrysotile Structure #1
00607	Spectra M40762-044 Chrysotile Str #2
00608	Spectra M40762-044 Chrysotile Str #3
00609	Spectra M40762-044 Chrysotile Str #4
00610	Spectra M40762-044 Chrysotile Str #5
00611	Spectra M40762-044 Chrysotile Str #6
00612	Spectra M40762-044 Chrysotile Str #7
00613	Spectra M40762-044 Chrysotile Str #8
00614	Spectra M40762-044 Chrysotile Str #9
00615	Spectra M40762-044 Chrysotile Str #10
00616	Spectra M40762-044 Chrysotile Str #20



**APPENDIX C**

**MAS, INC. LABORATORY REPORTS  
FOR DEBRIS SAMPLES, ONE BULK SAMPLE,  
AND ONE PASSIVE DUST SAMPLE**

**MATERIALS ANALYTICAL SERVICES, INC.**  
**PLM ANALYSIS**

Proj#-Spl#: M40763-001 Analyst W.B. Egeland Date: 10/11/2006  
 ClientName: Dies and Hile, LLP ClientSpl: Debris 01  
 Location: Portland State Univ Cramer Hall Rm 494  
 Type\_Mat: fireproofing debris  
 Gross Light tan. Flakes and books as well as fiber bundles throughout a fine matrix.  
 Visual: \_\_\_\_\_

**OPTICAL DATA FOR ASBESTOS IDENTIFICATION**

Morphology	<u>wavy</u>		
Pleochroism	<u>none</u>		
Refract Index	<u>1.550/1.545</u>		
Sign	<u>positive</u>		
Extinction	<u>parallel</u>		
Birefringence	<u>low</u>		
Melt	<u>no</u>		
Fiber Name	<u>Chrysotile</u>		

**ASBESTOS MINERALS**

**EST. VOL. %**

Chrysotile.....	<u>12</u>
Amosite.....	
Crocidolite.....	
Tremolite/Actinolite.....	
Anthophyllite.....	

**OTHER FIBROUS COMPONENTS**

_____	_____
_____	_____
_____	_____
_____	_____

**NON FIBROUS COMPONENTS**

_____	_____
Vermiculite	<u>35</u>
Binder	<u>53</u>

Effervescence: Weak and isolated.

Binder Description: Gypsum and occasional carbonate in a fine-grained aggregate

Comments: No starch observed

**MATERIALS ANALYTICAL SERVICES, INC.**  
**PLM ANALYSIS**

Proj#-Spl#: M40763 - 002 Analyst Paul Hess Date: 10/11/2006  
 ClientName: Dies and Hile, LLP ClientSpl: Debris 02  
 Location: Portland State Univ Cramer Hall outside rm 241  
 Type\_Mat: fireproofing debris  
 Gross Light tan. Flakes and books as well as fiber bundles throughout a fine matrix.  
 Visual: \_\_\_\_\_

**OPTICAL DATA FOR ASBESTOS IDENTIFICATION**

Morphology	<u>wavy</u>		
Pleochroism	<u>none</u>		
Refract Index	<u>1.550/1.545</u>		
Sign	<u>positive</u>		
Extinction	<u>parallel</u>		
Birefringence	<u>low</u>		
Melt	<u>no</u>		
Fiber Name	<u>Chrysotile</u>		

**ASBESTOS MINERALS**

**EST. VOL. %**

Chrysotile.....	<u>12</u>
Amosite.....	
Crocidolite.....	
Tremolite/Actinolite.....	
Anthophyllite.....	

**OTHER FIBROUS COMPONENTS**

_____	_____
_____	_____
_____	_____
_____	_____

**NON FIBROUS COMPONENTS**

_____	_____
Vermiculite	<u>35</u>
Binder	<u>53</u>

Effervescence: Weak and isolated.

Binder Description: Gypsum and occasional carbonate in a fine-grained aggregate

Comments: No starch apparent with iodine test. White paint with granules and fine crunchy pellets observed.

**MATERIALS ANALYTICAL SERVICES, INC.**  
**PLM ANALYSIS**

Proj#-Spl#: M40763 - 003 Analyst Paul Hess Date: 10/11/2006  
 ClientName: Dies and Hile, LLP ClientSpl: Debris 03  
 Location: Portland State Univ Cramer Hall basement corridor rm 17  
 Type\_Mat: fireproofing debris  
 Gross Light tan. Flakes and books as well as fiber bundles throughout a fine matrix.  
 Visual: \_\_\_\_\_

**OPTICAL DATA FOR ASBESTOS IDENTIFICATION**

Morphology	<u>wavy</u>		
Pleochroism	<u>none</u>		
Refract Index	<u>1.550/1.545</u>		
Sign	<u>positive</u>		
Extinction	<u>parallel</u>		
Birefringence	<u>low</u>		
Melt	<u>no</u>		
Fiber Name	<u>Chrysotile</u>		

**ASBESTOS MINERALS**

**EST. VOL. %**

Chrysotile.....	<u>12</u>
Amosite.....	
Crocidolite.....	
Tremolite/Actinolite.....	
Anthophyllite.....	

**OTHER FIBROUS COMPONENTS**

_____	_____
_____	_____
_____	_____
_____	_____

**NON FIBROUS COMPONENTS**

_____	_____
Vermiculite	<u>35</u>
Binder	<u>53</u>

Effervescence: Weak and isolated.

Binder Description: Gypsum and occasional carbonate in a fine-grained aggregate

Comments: No starch observed

**MATERIALS ANALYTICAL SERVICES, INC.  
PLM ANALYSIS**

Proj#-Spl#: M40763-004a Analyst Paul Hess Date: 10/11/2006  
 ClientName: Dies and Hile, LLP ClientSpl: Debris 04  
 Location: Portland State Univ Cramer Hall rm 241L top of wood shelving on exterior wall  
 Type\_Mat: particles  
 Gross White fine grained compound with granules  
 Visual: \_\_\_\_\_

**OPTICAL DATA FOR ASBESTOS IDENTIFICATION**

<b>Morphology</b>			
<b>Pleochroism</b>			
<b>Refract Index</b>			
<b>Sign</b>			
<b>Extinction</b>			
<b>Birefringence</b>			
<b>Melt</b>			
<b>Fiber Name</b>			

**ASBESTOS MINERALS**

**EST. VOL. %**

NO ASBESTOS OBSERVED

Chrysotile.....	_____
Amosite.....	_____
Crocidolite.....	_____
Tremolite/Actinolite.....	_____
Anthophyllite.....	_____

**OTHER FIBROUS COMPONENTS**

_____	_____
_____	_____
_____	_____
_____	_____

**NON FIBROUS COMPONENTS**

_____	_____
_____	_____
Sand	60
Binder	40

Effervescence: Low.

Binder Description: scattered carbonate and fine aggregate, opaques

Comments: This material is mixed with the material of M40763-004B

**MATERIALS ANALYTICAL SERVICES, INC.**  
**PLM ANALYSIS**

Proj#-Spl#: M40763 - 004b Analyst Paul Hess Date: 10/11/2006  
 ClientName: Dies and Hile, LLP ClientSpl: Debris 04  
 Location: Portland State Univ Cramer Hall rm 241L top of wood shelving on exterior wall  
 Type\_Mat: particles  
 Gross Off-white. Glassy pellets and fiber bundles throughout a fine matrix.  
 Visual: \_\_\_\_\_

**OPTICAL DATA FOR ASBESTOS IDENTIFICATION**

Morphology	<u>wavy</u>	<u>straight</u>	
Pleochroism	<u>none</u>	<u>none</u>	
Refract Index	<u>1.550/1.545</u>	<u>1.618/1.603</u>	
Sign	<u>positive</u>	<u>positive</u>	
Extinction	<u>parallel</u>	<u>parallel</u>	
Birefringence	<u>low</u>	<u>low</u>	
Melt	<u>no</u>	<u>no</u>	
Fiber Name	<u>Chrysotile</u>	<u>Tremolite/Actinolite</u>	

**ASBESTOS MINERALS**

**EST. VOL. %**

Chrysotile.....	<u>10</u>
Amosite.....	
Crocidolite.....	
Tremolite/Actinolite.....	<u>Trace</u>
Anthophyllite.....	

**OTHER FIBROUS COMPONENTS**

_____	_____
_____	_____
_____	_____
_____	_____

**NON FIBROUS COMPONENTS**

Perlite	<u>65</u>
_____	_____
_____	_____
Binder	<u>25</u>

Effervescence: Moderate.

Binder Description: Carbonate, fibrous talc, and fine-grained aggregate

Comments: No starch observed

**MATERIALS ANALYTICAL SERVICES, INC.**  
**PLM ANALYSIS**

Proj#-Spl#: M40763 -005 Analyst W.B. Egeland Date: 12/28/2006  
 ClientName: Dies and Hile, LLP ClientSpl: Debris 12  
 Location: Portland State Univ Neuberger Hall basement rm 26 top of VAV box  
 Type\_Mat: debris  
 Gross Light tan. Flakes and books as well as fiber bundles throughout a fine matrix.  
 Visual: \_\_\_\_\_

**OPTICAL DATA FOR ASBESTOS IDENTIFICATION**

Morphology	<u>wavy</u>		
Pleochroism	<u>none</u>		
Refract Index	<u>1.550/1.545</u>		
Sign	<u>positive</u>		
Extinction	<u>parallel</u>		
Birefringence	<u>low</u>		
Melt	<u>no</u>		
Fiber Name	<u>Chrysotile</u>		

**ASBESTOS MINERALS**

**EST. VOL. %**

Chrysotile.....	<u>10</u>
Amosite.....	_____
Crocidolite.....	_____
Tremolite/Actinolite.....	_____
Anthophyllite.....	_____

**OTHER FIBROUS COMPONENTS**

_____	_____
_____	_____
_____	_____
_____	_____

**NON FIBROUS COMPONENTS**

Vermiculite	<u>36</u>
_____	_____
_____	_____
Binder	<u>54</u>

Effervescence: Weak and isolated.

Binder Description: Abundant gypsum with scattered fine granular minerals throughout

Comments: No starch observed

**MATERIALS ANALYTICAL SERVICES, INC.**  
**PLM ANALYSIS**

Proj#-Spl#: M40763-006 Analyst W.B. Egeland Date: 12/28/2006  
 ClientName: Dies and Hile, LLP ClientSpl: Debris 13  
 Location: Portland State Univ Smith Memorial basement rm 26 top of ceiling tile  
 Type\_Mat: debris  
 Gross: Light tan. Flakes and books as well as fiber bundles throughout a fine matrix.  
 Visual:

**OPTICAL DATA FOR ASBESTOS IDENTIFICATION**

Morphology	wavy		
Pleochroism	none		
Refract Index	1.550/1.545		
Sign	positive		
Extinction	parallel		
Birefringence	low		
Melt	no		
Fiber Name	Chrysotile		

**ASBESTOS MINERALS**

**EST. VOL. %**

Chrysotile.....	12
Amosite.....	
Crocidolite.....	
Tremolite/Actinolite.....	
Anthophyllite.....	

**OTHER FIBROUS COMPONENTS**

**NON FIBROUS COMPONENTS**

Vermiculite	36
Binder	52

Effervescence: Weak and isolated.

Binder Description: Abundant gypsum with scattered fine granular minerals throughout

Comments: No starch observed



**MATERIALS ANALYTICAL SERVICES, INC.**  
**PLM ANALYSIS**

Proj#-Spl#: M40763 - 007 Analyst W.B. Egeland Date: 12/28/2006  
 ClientName: Dies and Hile, LLP ClientSpl: Debris 10  
 Location: Portland State Univ UCB rm 465N above ceiling below fireproofing  
 Type\_Mat: debris  
 Gross Visual: Light tan. Flakes and books as well as fiber bundles throughout a fine matrix. Also light blue fluffy fibrous material.

**OPTICAL DATA FOR ASBESTOS IDENTIFICATION**

Morphology	<u>wavy</u>		
Pleochroism	<u>none</u>		
Refract Index	<u>1.550/1.545</u>		
Sign	<u>positive</u>		
Extinction	<u>parallel</u>		
Birefringence	<u>low</u>		
Melt	<u>no</u>		
Fiber Name	<u>Chrysotile</u>		

**ASBESTOS MINERALS**

**EST. VOL. %**

Chrysotile.....	<u>8</u>
Amosite.....	
Crocidolite.....	
Tremolite/Actinolite.....	
Anthophyllite.....	

**OTHER FIBROUS COMPONENTS**

Synthetic -melts	<u>33</u>

**NON FIBROUS COMPONENTS**

Vermiculite	<u>15</u>
Binder	<u>44</u>

Effervescence: Weak and isolated.

Binder Description: Abundant gypsum with scattered fine granular minerals throughout

Comments: Material similar to #6 mixed with clumped synthetic fiber material.

**MATERIALS ANALYTICAL SERVICES, INC.**  
**PLM ANALYSIS**

**Proj#-Spl#:** M40763 - 008      **Analyst** W.B. Egeland      **Date:** 12/28/2006  
**ClientName:** Dies and Hile, LLP      **ClientSpl:** Debris 11  
**Location:** Portland State Univ UCB rm 308U top of ceiling tile in NE corner of room  
**Type\_Mat:** debris  
**Gross Visual:** Light tan. Flakes and books as well as fiber bundles throughout a fine matrix.

**OPTICAL DATA FOR ASBESTOS IDENTIFICATION**

<b>Morphology</b>	wavy		
<b>Pleochroism</b>	none		
<b>Refract Index</b>	1.550/1.545		
<b>Sign</b>	positive		
<b>Extinction</b>	parallel		
<b>Birefringence</b>	low		
<b>Melt</b>	no		
<b>Fiber Name</b>	Chrysotile		

**ASBESTOS MINERALS**

**EST. VOL. %**

Chrysotile.....	12
Amosite.....	
Crocidolite.....	
Tremolite/Actinolite.....	
Anthophyllite.....	

**OTHER FIBROUS COMPONENTS**


**NON FIBROUS COMPONENTS**

Vermiculite	35
Binder	53

**Effervescence:** Weak and isolated.

**Binder Description:** Abundant gypsum with scattered fine granular minerals throughout

**Comments:** No starch observed

**MATERIALS ANALYTICAL SERVICES, INC.**  
**PLM ANALYSIS**

Proj#-Spl#: M40763 - 009 Analyst W.B. Egeland Date: 12/28/2006  
 ClientName: Dies and Hile, LLP ClientSpl: Debris 06  
 Location: Portland State Univ HPE Stott rm 301 from concrete floor under fan unit 6  
 Type\_Mat: debris  
 Gross Light tan. Flakes and books as well as fiber bundles throughout a fine matrix.  
 Visual: \_\_\_\_\_

**OPTICAL DATA FOR ASBESTOS IDENTIFICATION**

Morphology	<u>wavy</u>		
Pleochroism	<u>none</u>		
Refract Index	<u>1.550/1.545</u>		
Sign	<u>positive</u>		
Extinction	<u>parallel</u>		
Birefringence	<u>low</u>		
Melt	<u>no</u>		
Fiber Name	<u>Chrysotile</u>		

**ASBESTOS MINERALS**

**EST. VOL. %**

Chrysotile.....	<u>12</u>
Amosite.....	
Crocidolite.....	
Tremolite/Actinolite.....	
Anthophyllite.....	

**OTHER FIBROUS COMPONENTS**

**NON FIBROUS COMPONENTS**

Vermiculite	<u>35</u>
Binder	<u>53</u>

Effervescence: Weak and isolated.

Binder Description: Abundant gypsum with scattered fine granular minerals throughout

Comments: No starch observed. Sporadic synthetic fibers observed in sample.

**MATERIALS ANALYTICAL SERVICES, INC.**  
**PLM ANALYSIS**

Proj#-Spl#: M40763-010 Analyst W.B. Egeland Date: 12/28/2006  
 ClientName: Dies and Hile, LLP ClientSpl: Debris 07  
 Location: Portland State Univ HPE Stott top of metal duct near fan unit 5  
 Type\_Mat: debris

Gross Light tan. Flakes and books as well as fiber bundles throughout a fine matrix.

Visual: \_\_\_\_\_

**OPTICAL DATA FOR ASBESTOS IDENTIFICATION**

Morphology	<u>wavy</u>		
Pleochroism	<u>none</u>		
Refract Index	<u>1.550/1.545</u>		
Sign	<u>positive</u>		
Extinction	<u>parallel</u>		
Birefringence	<u>low</u>		
Melt	<u>no</u>		
Fiber Name	<u>Chrysotile</u>		

**ASBESTOS MINERALS**

**EST. VOL. %**

Chrysotile.....	<u>12</u>
Amosite.....	
Crocidolite.....	
Tremolite/Actinolite.....	
Anthophyllite.....	

**OTHER FIBROUS COMPONENTS**

**NON FIBROUS COMPONENTS**

Vermiculite	<u>35</u>
Binder	<u>53</u>

Effervescence: Weak and isolated.

Binder Description: Abundant gypsum with scattered fine granular minerals throughout

Comments: No starch observed. Sporadic synthetic fibers observed in sample.

**MATERIALS ANALYTICAL SERVICES, INC.**  
**PLM ANALYSIS**

Proj#-Spl#: M40763-011 Analyst W.B. Egeland Date: 12/28/2006  
 ClientName: Dies and Hile, LLP ClientSpl: Debris 08  
 Location: Portland State Univ HPE rm 301 S wall E end base of wall  
 Type\_Mat: debris  
 Gross Light tan. Flakes and books as well as fiber bundles throughout a fine matrix.  
 Visual: \_\_\_\_\_

**OPTICAL DATA FOR ASBESTOS IDENTIFICATION**

Morphology	<u>wavy</u>		
Pleochroism	<u>none</u>		
Refract Index	<u>1.550/1.545</u>		
Sign	<u>positive</u>		
Extinction	<u>parallel</u>		
Birefringence	<u>low</u>		
Melt	<u>no</u>		
Fiber Name	<u>Chrysotile</u>		

**ASBESTOS MINERALS**

**EST. VOL. %**

Chrysotile.....	<u>12</u>
Amosite.....	
Crocidolite.....	
Tremolite/Actinolite.....	
Anthophyllite.....	

**OTHER FIBROUS COMPONENTS**

_____	_____
_____	_____
_____	_____
_____	_____

**NON FIBROUS COMPONENTS**

Vermiculite	<u>35</u>
_____	_____
_____	_____
_____	_____
Binder	<u>53</u>

Effervescence: Weak and isolated.

Binder Description: Abundant gypsum with scattered fine granular minerals throughout

Comments: No starch observed.

**MATERIALS ANALYTICAL SERVICES, INC.**  
**PLM ANALYSIS**

Proj#-Spl#: M40763-013 Analyst W.B. Egeland Date: 12/28/2006  
 ClientName: Dies and Hile, LLP ClientSpl: Debris 20  
 Location: Univ Oregon Gerlinger Annex outside rm 362 above ceiling  
 Type\_Mat: debris  
 Gross Light tan. Flakes and books as well as fiber bundles throughout a fine matrix.  
 Visual: \_\_\_\_\_

**OPTICAL DATA FOR ASBESTOS IDENTIFICATION**

Morphology	<u>wavy</u>		
Pleochroism	<u>none</u>		
Refract Index	<u>1.550/1.545</u>		
Sign	<u>positive</u>		
Extinction	<u>parallel</u>		
Birefringence	<u>low</u>		
Melt	<u>no</u>		
Fiber Name	<u>Chrysotile</u>		

**ASBESTOS MINERALS**

**EST. VOL. %**

Chrysotile.....	<u>12</u>
Amosite.....	
Crocidolite.....	
Tremolite/Actinolite.....	
Anthophyllite.....	

**OTHER FIBROUS COMPONENTS**

_____	_____
_____	_____
_____	_____
_____	_____

**NON FIBROUS COMPONENTS**

Vermiculite	<u>36</u>
_____	_____
_____	_____
Binder	<u>52</u>

Effervescence: Weak and isolated.

Binder Description: Abundant gypsum with scattered fine granular minerals throughout

Comments: No starch observed.

**MATERIALS ANALYTICAL SERVICES, INC.**  
**PLM ANALYSIS**

Proj#-Spl#: M40763-014 Analyst W.B. Egeland Date: 12/28/2006  
 ClientName: Dies and Hile, LLP ClientSpl: Debris 22  
 Location: Univ Oregon Oregon Hall rm 256 top of ceiling tile on W side  
 Type\_Mat: debris  
 Gross Visual: Light tan. Flakes and books as well as fiber bundles throughout a fine matrix.

**OPTICAL DATA FOR ASBESTOS IDENTIFICATION**

Morphology	<u>wavy</u>		
Pleochroism	<u>none</u>		
Refract Index	<u>1.550/1.545</u>		
Sign	<u>positive</u>		
Extinction	<u>parallel</u>		
Birefringence	<u>low</u>		
Melt	<u>no</u>		
Fiber Name	<u>Chrysotile</u>		

**ASBESTOS MINERALS**

**EST. VOL. %**

Chrysotile.....	<u>12</u>
Amosite.....	
Crocidolite.....	
Tremolite/Actinolite.....	
Anthophyllite.....	

**OTHER FIBROUS COMPONENTS**


**NON FIBROUS COMPONENTS**

Vermiculite	<u>36</u>
Binder	<u>52</u>

Effervescence: Weak and isolated.

Binder Description: Abundant gypsum with scattered fine granular minerals throughout

Comments: No starch observed.

**MATERIALS ANALYTICAL SERVICES, INC.**  
**PLM ANALYSIS**

Proj#-Spl#: M40763-012 Analyst W.B. Egeland Date: 12/28/2006  
 ClientName: Dies and Hile, LLP ClientSpl: Debris 21  
 Location: Univ Oregon Computing Center outside rm 193 top of ceiling  
 Type\_Mat: debris

Gross Light tan. Flakes and books as well as fiber bundles throughout a fine matrix.  
 Visual: \_\_\_\_\_

**OPTICAL DATA FOR ASBESTOS IDENTIFICATION**

Morphology	<u>wavy</u>		
Pleochroism	<u>none</u>		
Refract Index	<u>1.550/1.545</u>		
Sign	<u>positive</u>		
Extinction	<u>parallel</u>		
Birefringence	<u>low</u>		
Melt	<u>no</u>		
Fiber Name	<u>Chrysotile</u>		

**ASBESTOS MINERALS**

**EST. VOL. %**

Chrysotile.....	<u>12</u>
Amosite.....	
Crocidolite.....	
Tremolite/Actinolite.....	
Anthophyllite.....	

**OTHER FIBROUS COMPONENTS**

_____	_____
_____	_____
_____	_____
_____	_____

**NON FIBROUS COMPONENTS**

Vermiculite	<u>36</u>
_____	_____
_____	_____
Binder	<u>52</u>

Effervescence: Weak and isolated.

Binder Description: Abundant gypsum with scattered fine granular minerals throughout

Comments: No starch observed.



**MATERIALS ANALYTICAL SERVICES, INC.**  
**PLM ANALYSIS**

Proj#-Spl#: M40763 - 015 Analyst W.B. Egeland Date: 12/28/2006  
 ClientName: Dies and Hile, LLP ClientSpl: Bulk-01  
 Location: Portland State Univ Professional Schools Bldg center rm 374  
 Type\_Mat: ceiling tile, small dots, small gouges, white face, cream interior, brown back  
 Gross Off-white to light tan. Compressed fibrous.  
 Visual: \_\_\_\_\_

**OPTICAL DATA FOR ASBESTOS IDENTIFICATION**

Morphology			
Pleochroism			
Refract Index			
Sign			
Extinction			
Birefringence			
Melt			
Fiber Name			

**ASBESTOS MINERALS**

**EST. VOL. %**

**NO ASBESTOS OBSERVED**

Chrysotile.....  
 Amosite.....  
 Crocidolite.....  
 Tremolite/Actinolite.....  
 Anthophyllite.....

\_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

**OTHER FIBROUS COMPONENTS**

Min wool -isotropic

75

\_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

\_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

**NON FIBROUS COMPONENTS**

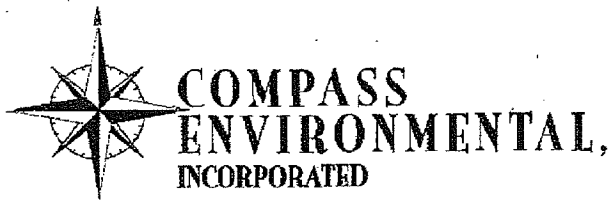
\_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 Binder

\_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 25

Effervescence: None.

Binder Description: Fine-grained aggregate

Comments: No starch observed



M40763  
M40764

October 5, 2006

William E. Longo, Ph.D.  
Materials Analytical Services, Inc.  
3945 Lakefield Court  
Suwanee, GA 30024

**RE: Oregon Buildings Dust Samples**

Dear Dr. Longo:

Enclosed are 14 debris samples and 1 bulk ceiling tile sample for PLM analysis for asbestos. Also enclosed are 6 bulk samples of dust collected from surfaces below asbestos-containing fireproofing. Also enclosed are 7 tape samples of dust collected from surfaces below asbestos-containing fireproofing. The tape samples were collected according to section 6.3.2 of ASTM method D 6602 (copy attached) and mounted on clear glass slides. Lastly, enclosed is one passive dust sample labeled Comp 18 collected from beneath asbestos-containing fireproofing over an unspecified period of time. Per our telephone discussion on Wednesday I am interested in your characterization of the dust, tape and passive samples for asbestos structures by direct methods to determine if there are unencapsulated fibers or free fibers in the samples. Also enclosed are 8 chain-of-custody forms and sampling logs describing the sample locations. The invoice for this work should be sent to Mr. Martin Dies, Dies & Hile, LLP, 1601 Rio Grande, Suite 330, Austin, TX 78701. Please do not hesitate to telephone me should you have any questions. Thank you.

Sincerely,

William M. Ewing, CIH  
Technical Director

Enclosures

*Received 10/6/06 Ching*

**ATLANTA**  
Corporate Headquarters  
3945 Lakefield Court  
Suwanee, GA 30024  
(770) 866-3200 FAX (770) 866-3259

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January 10, 2007

W. M. Ewing  
Compass Environmental  
1751 McCollum Parkway  
Kennesaw, Georgia 30144

**Re: Oregon Dust Sample Results for Comp 18**

Dear Mr. Ewing,

Attached is the laboratory analysis report for the above referenced dust sample submitted on October 6, 2006. The sample was prepared by rinsing the interior of the "RJ Lee Passive Dust Sampler" with 50/50 alcohol/water solution and then following the preparation and analysis steps describe in ASTM Method 5557-03.

Please call me at 770-866-3235 should you have any questions.

Sincerely,

2007.01.11 14:35:24  
-05'00'

Michael D. Mount, CIH, OHST  
EM Lab Manager

Encl.

# TEM DUST ANALYSIS M40765 008

**Dies and Hile, LLP**  
Oregon Buildings

Client Sample ID: comp-18

Sample Area/ Volume: 81 cm<sup>2</sup>

Filter Type: MCE 47mm

Pore size: 0.45

Effective Filter Area: 1297

Sample type: Dust

Analysis type: Dust

Grid Acceptance Yes 4 %

Date Analyzed: 1/10/2007

Analyst: Kevin Simpson

Scope Number: 3

Accelerating Voltage: 100 KV

Indicated Mag: 25 KX

Screen Mag: 20 KX

Grid\_box:

Str < 5um: 60  
Str > 5um: 16  
Total Str: 76

Number of grids: 2 #1: 108 #3: 105 Average Grid Size: 0.011184  
Number of openings: 10 #2: 106 #4: 104 Total Area Analyzed: 0.112

Volume Filtered 0.1 ml

Dilution Factor 1000

Str / sq ft 1.011E+10

Str / cm<sup>2</sup> 1.088E+07

Str / sq ft >=5 2.128E+09

Str / cm<sup>2</sup> >=5 2.291E+06

Str#:	SquareID:	Type:	Structure:	Length	Width	Morph:	SAED:	EDS:	Photo:	Sketch:	
Str#	Grid ID	Serp	Other	Structure	Length	Width	Morph	SAED	EDS	Photo	Sketch
1	A7-B5	C		C-F	5.00	0.60	X	X	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2		C		F	2.00	0.10	X	X	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3		C		B	4.50	0.15	X	X	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4		C		F	1.00	0.10	X	X	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5		C		F	9.00	0.10	X	X	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6		C		F	0.60	0.10	X	X	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7		C		F	2.60	0.10	X	X	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
8		C		F	0.60	0.10	X	X	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
9		C		F	0.90	0.10	X	X	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
10		C		F	27.00	0.10	X	X	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
11		C		B	1.00	0.15			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
12		C		C-F	1.00	0.50			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

C - Chrysotile

TR - Tremolite

CR - Crocidolite

AN - Anthophyllite

AC - Actinolite

NSD - No Structure Detected

F - Fiber

B - Bundle

M - Matrix

C - Cluster

Str#:	SquareID:	Type:	Structure:	Length	Width	Morph:	SAED:	EDS:	Photo:	Sketch:
13		C	B	3.20	0.15			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
14	D5	C	B	0.80	0.18			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
15		C	B	0.70	0.12			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
16		C	B	1.00	0.18			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
17		C	F	1.90	0.10			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
18		C	F	3.50	0.05			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
19		C	F	1.00	0.10			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
20		C	C-F	2.00	1.00	X	X	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
21		C	F	0.80	0.05			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
22	F5	C	B	12.60	0.12			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
23		C	C-F	24.00	4.00			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
24		C	B	2.00	0.12			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
25		C	B	1.70	0.12			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
26		C	F	2.00	0.10			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
27		C	F	1.70	0.10			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
28		C	F	0.60	0.10			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
29		C	F	1.20	5.00			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
30		C	F	2.20	0.10	X	X	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
31		C	C-F	5.50	0.60			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
32		C	B	2.20	0.12			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
33		C	F	1.10	0.10			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
34		C	F	5.50	0.10			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

C - Chrysotile      NSD - No Structure Detected  
 TR - Tremolite      F - Fiber  
 CR - Crocidolite      B - Bundle  
 AN - Anthophyllite      M - Matrix  
 AC - Actinolite      C - Cluster

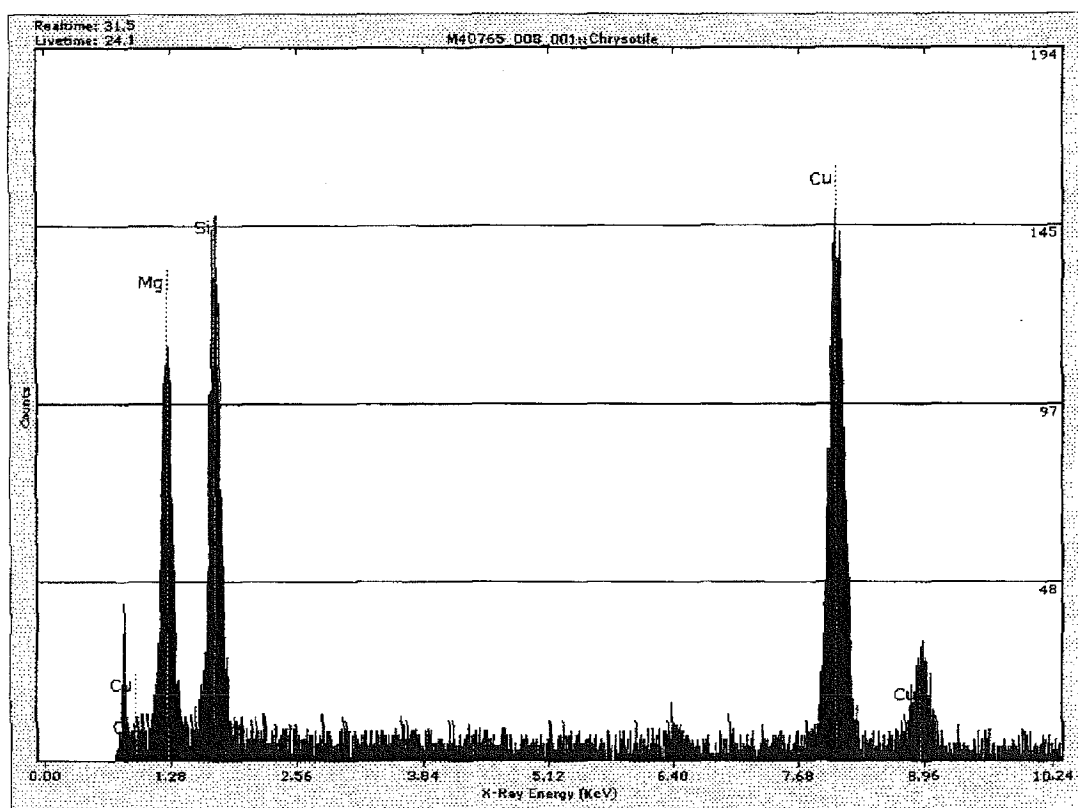
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36		C	F	2.30	0.05				<input type="checkbox"/>	<input type="checkbox"/>
37		C	F	5.50	0.05				<input type="checkbox"/>	<input type="checkbox"/>
38		C	F	1.30	0.10				<input type="checkbox"/>	<input type="checkbox"/>
39		C	C-B	17.00	3.00				<input type="checkbox"/>	<input type="checkbox"/>
40		C	F	3.60	0.10	X	X		<input checked="" type="checkbox"/>	<input type="checkbox"/>
41		C	B	1.00	0.20				<input type="checkbox"/>	<input type="checkbox"/>
42	J5	C	F	0.80	0.10				<input type="checkbox"/>	<input type="checkbox"/>
43		C	F	0.60	0.10				<input type="checkbox"/>	<input type="checkbox"/>
44		C	F	2.00	0.10				<input type="checkbox"/>	<input type="checkbox"/>
45		C	C-F	15.00	0.30				<input type="checkbox"/>	<input type="checkbox"/>
46		C	B	2.30	0.12				<input type="checkbox"/>	<input type="checkbox"/>
47		C	F	1.50	0.10				<input type="checkbox"/>	<input type="checkbox"/>
48	A8-B2	C	F	3.00	0.10				<input type="checkbox"/>	<input type="checkbox"/>
49		C	M-B	15.00	0.12				<input type="checkbox"/>	<input type="checkbox"/>
50		C	F	0.50	0.05	X	X		<input checked="" type="checkbox"/>	<input type="checkbox"/>
51		C	F	0.60	0.05				<input type="checkbox"/>	<input type="checkbox"/>
52	D2	C	F	3.50	0.10				<input type="checkbox"/>	<input type="checkbox"/>
53		C	F	0.70	0.10				<input type="checkbox"/>	<input type="checkbox"/>
54		C	F	1.10	0.10				<input type="checkbox"/>	<input type="checkbox"/>
55		C	C-F	1.20	0.40				<input type="checkbox"/>	<input type="checkbox"/>
56	F2	C	F	5.20	0.10				<input type="checkbox"/>	<input type="checkbox"/>

C - Chrysotile      NSD - No Structure Detected  
 TR - Tremolite      F - Fiber  
 CR - Crocidolite    B - Bundle  
 AN - Anthophyllite   M - Matrix  
 AC - Actinolite      C - Cluster

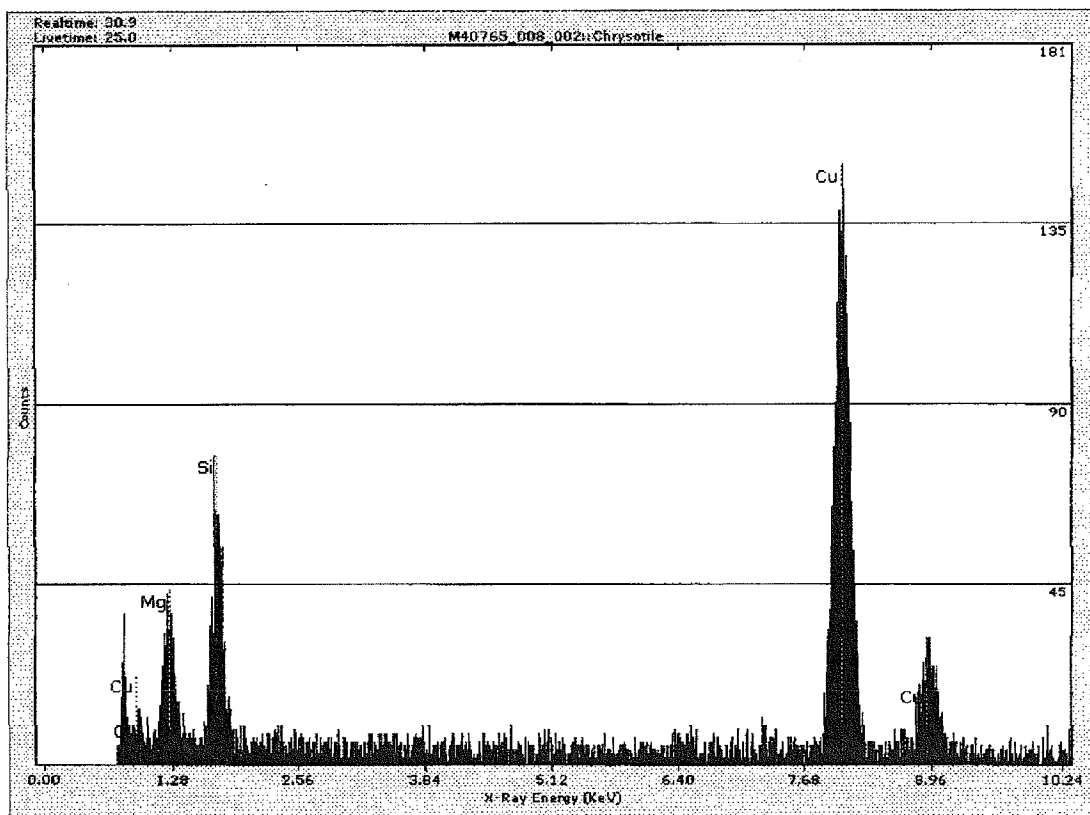
Str#:	SquareID:	Type:	Structure:	Length	Width	Morph:	SAED:	EDS:	Photo:	Sketch:
57		C	F	1.70	0.10			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
58		C	F	1.80	0.10			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
59		C	F	1.70	0.05			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
60		C	B	1.80	0.22	X	X	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
61		C	F	1.80	0.10			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
62	H2	C	B	24.00	0.20			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
63		C	F	1.50	0.10			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
64		C	B	1.90	0.12			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
65		C	B	1.20	0.20			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
66		C	F	0.50	0.10			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
67		C	F	11.50	0.10			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
68		C	C-F	2.00	0.70			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
69		C	C-F	1.70	0.60			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
70		C	F	2.00	0.05	X	X	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
71	J2	C	B	3.00	0.20	X	X	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
72		C	B	5.10	0.15	X	X	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
73		C	F	1.00	0.10			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
74		C	F	6.20	0.10			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
75		C	F	3.00	0.10			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
76		C	F	0.80	0.10			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

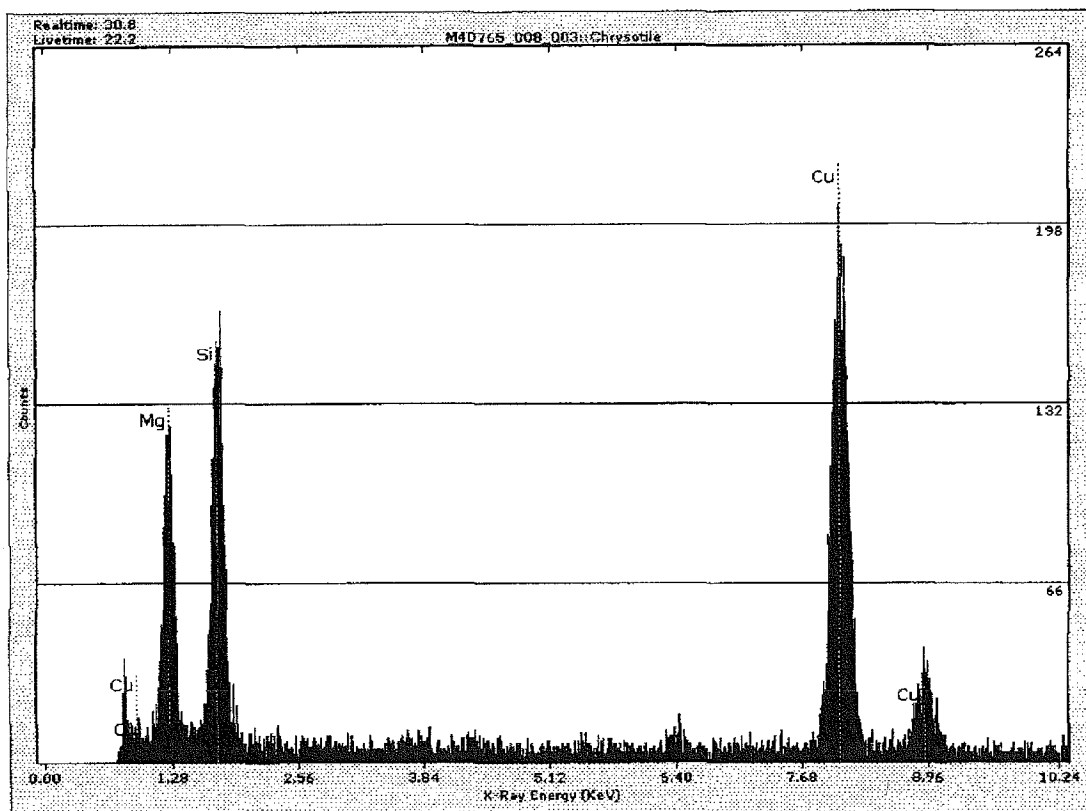
M40765 008

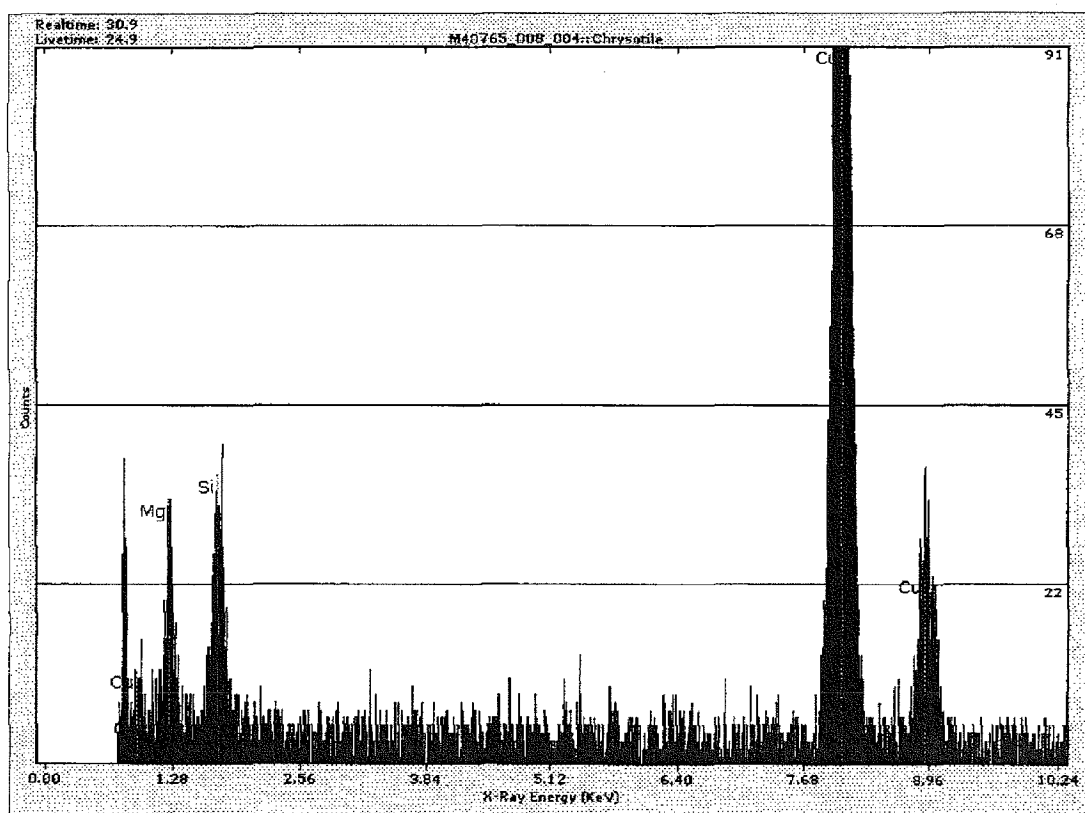
C - Chrysotile  
 TR - Tremolite  
 CR - Crocidolite  
 AN - Anthophyllite  
 AC - Actinolite  
 NSD - No Structure Detected  
 F - Fiber  
 B - Bundle  
 M - Matrix  
 C - Cluster

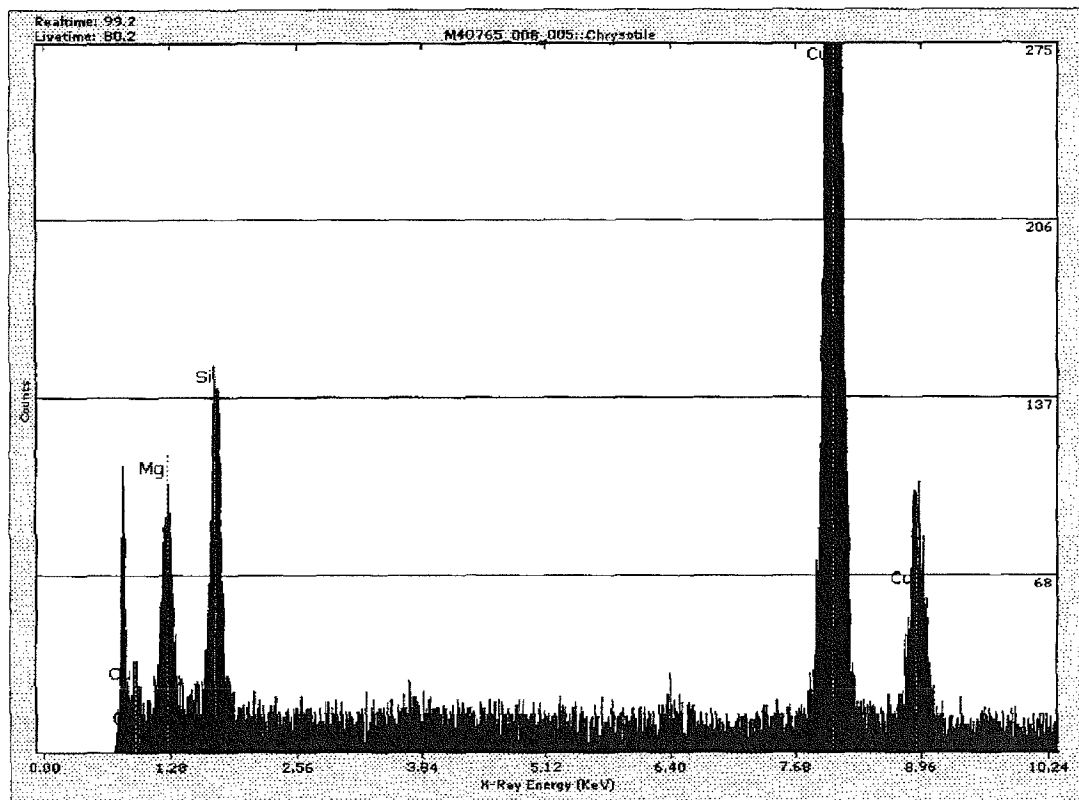


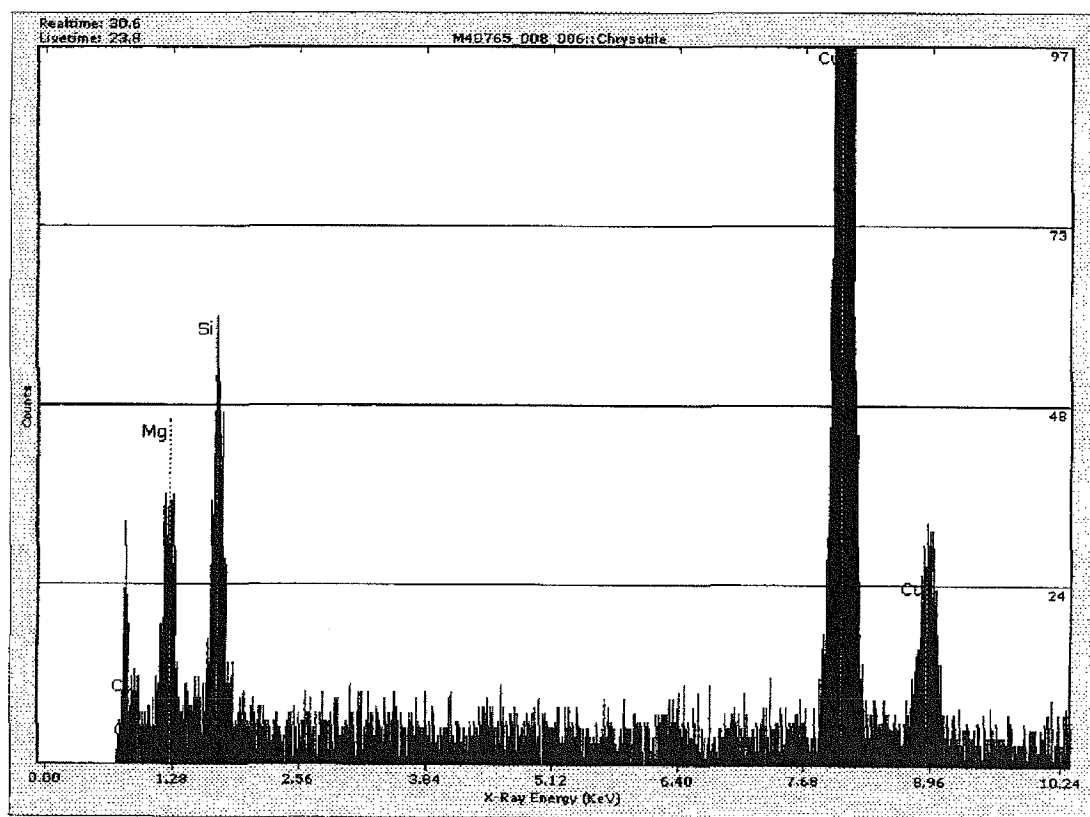


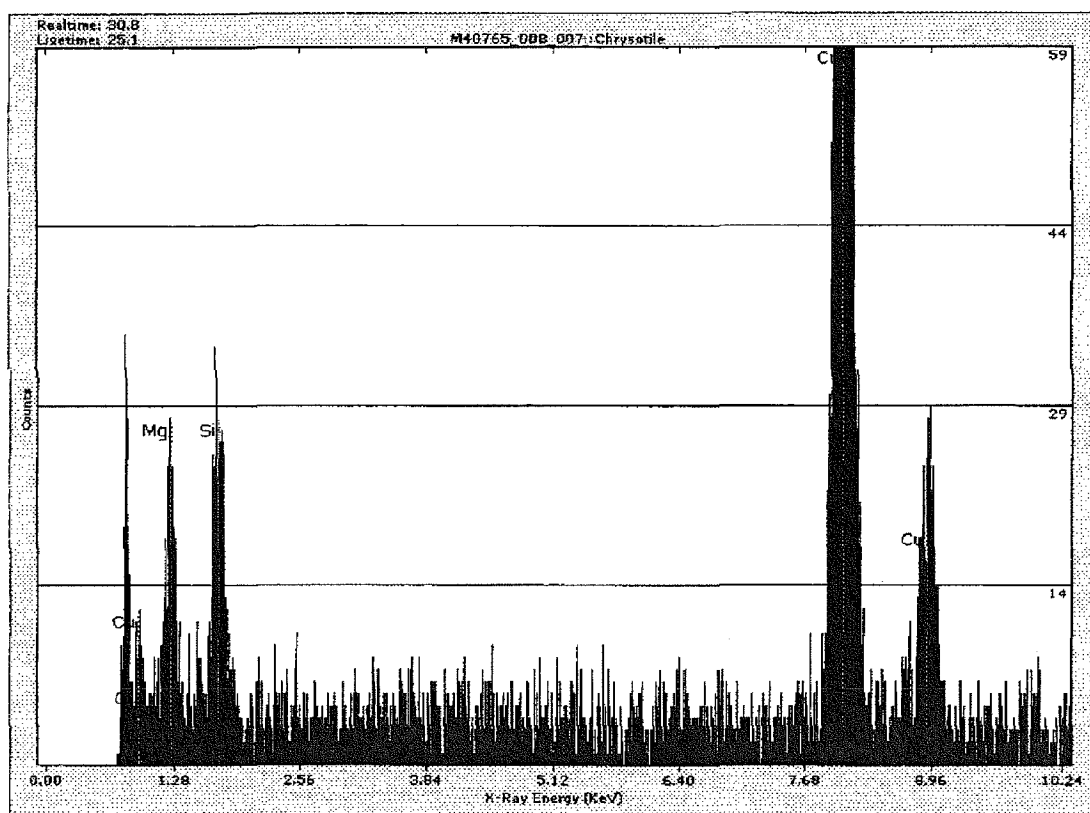


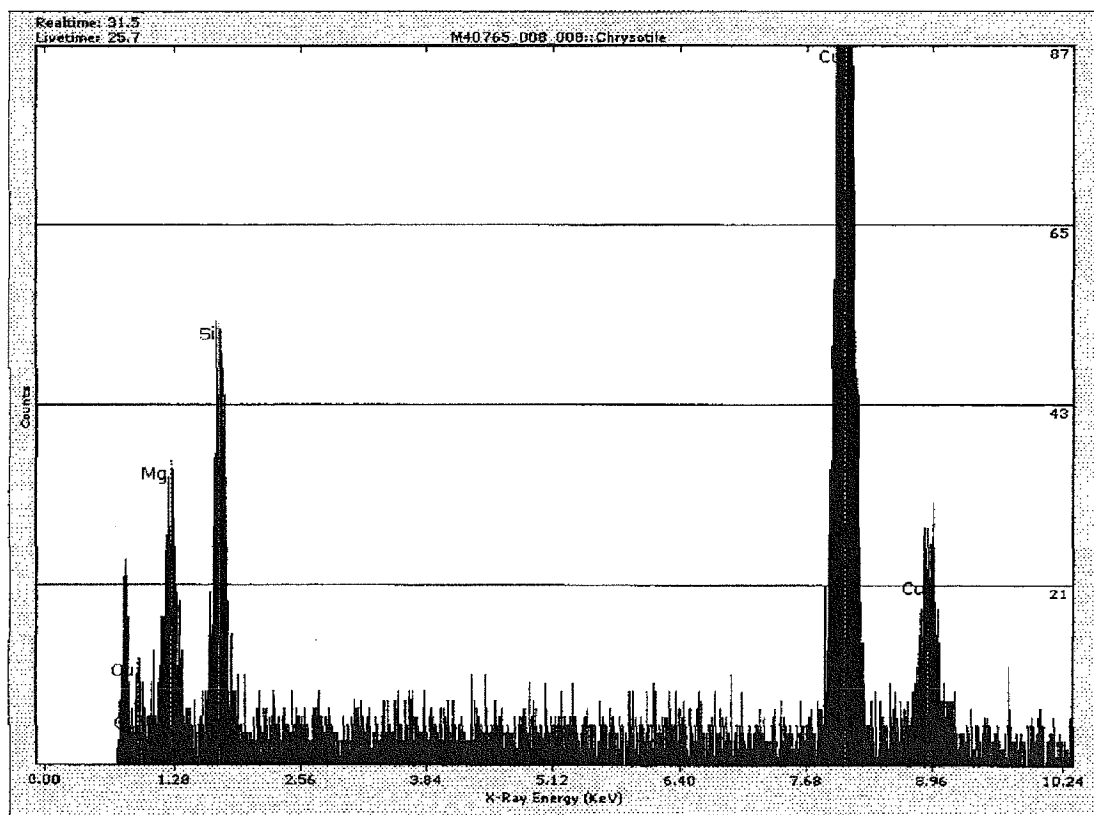


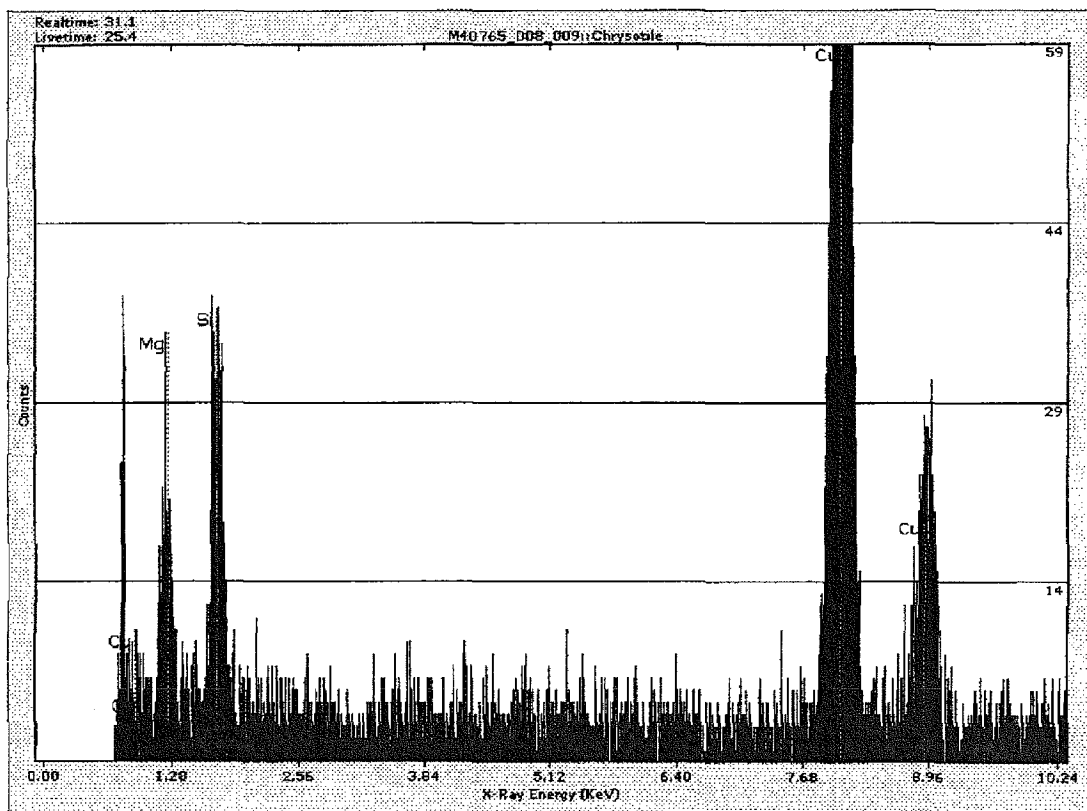




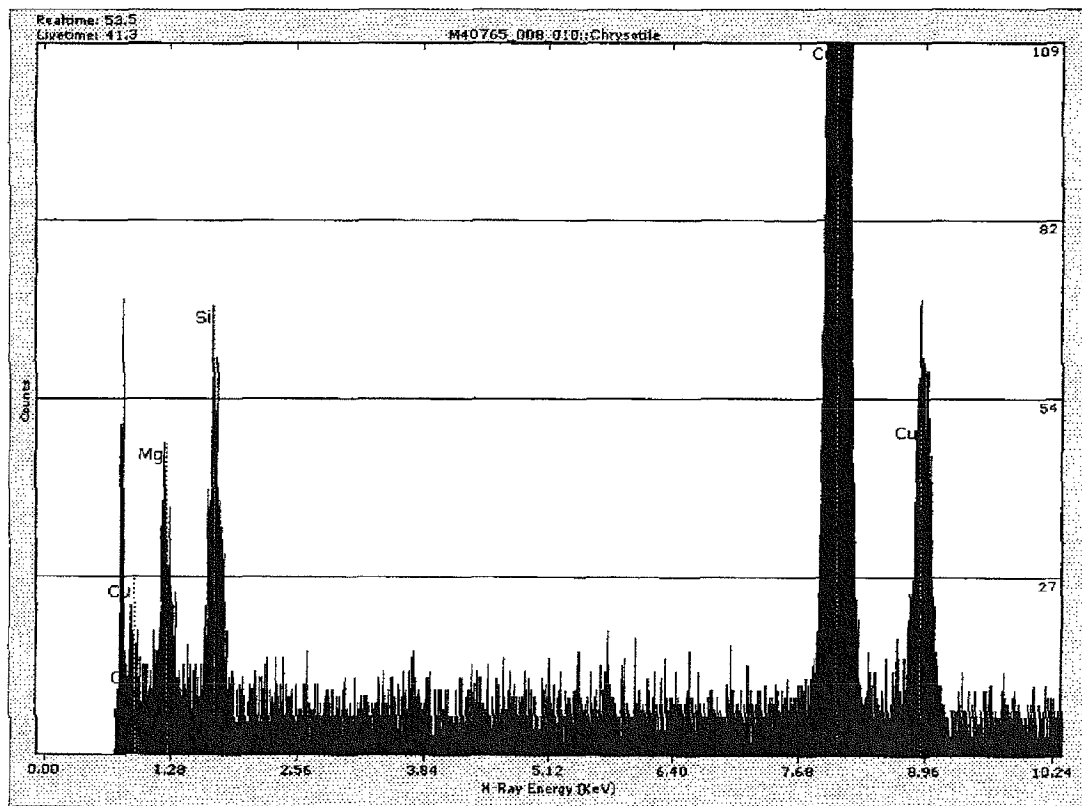


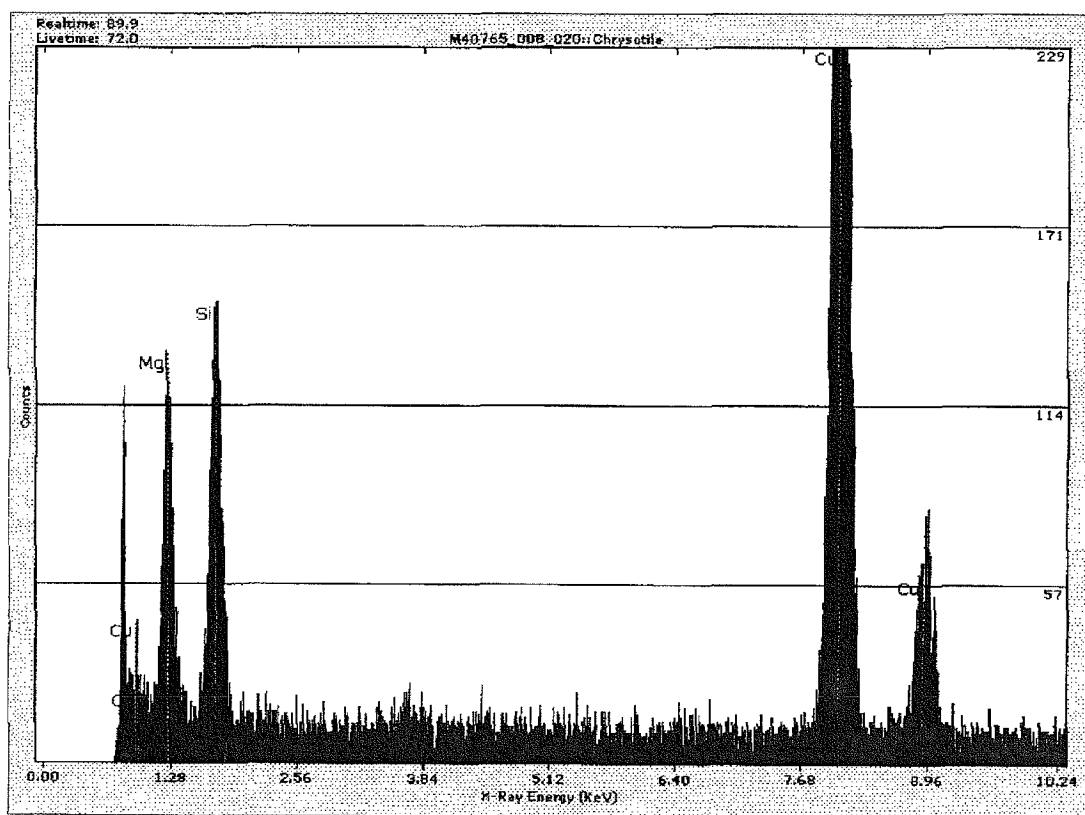


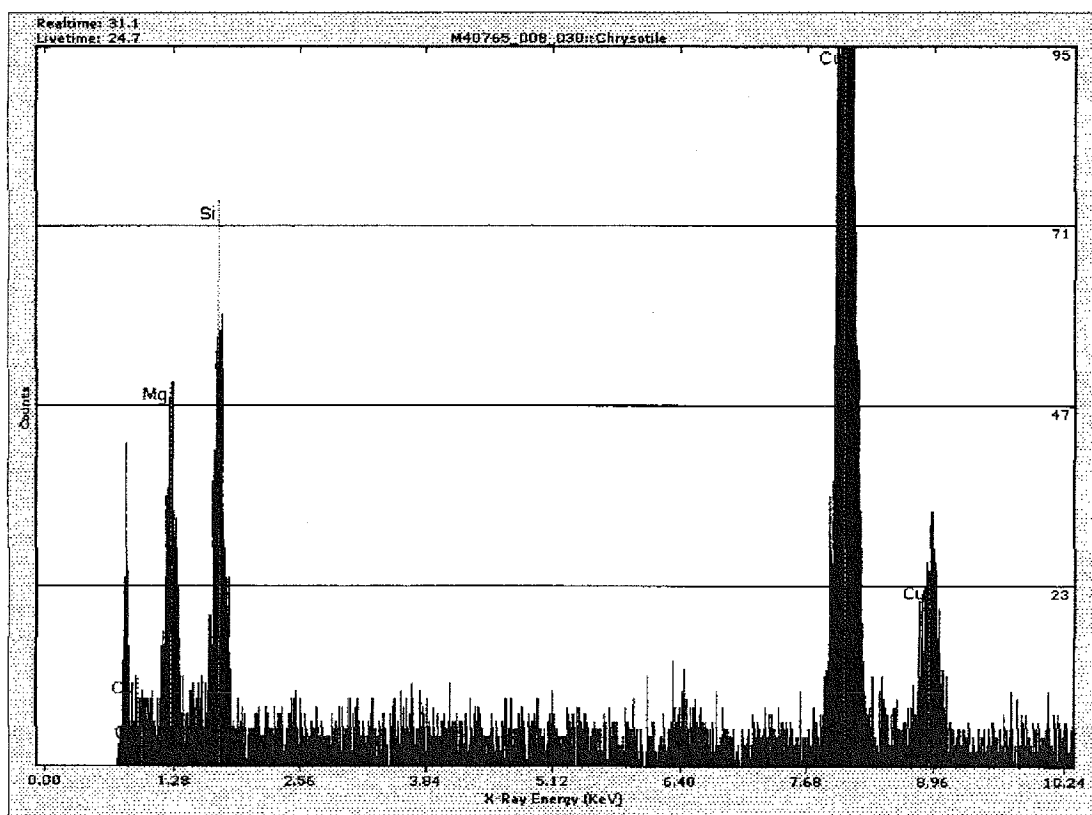


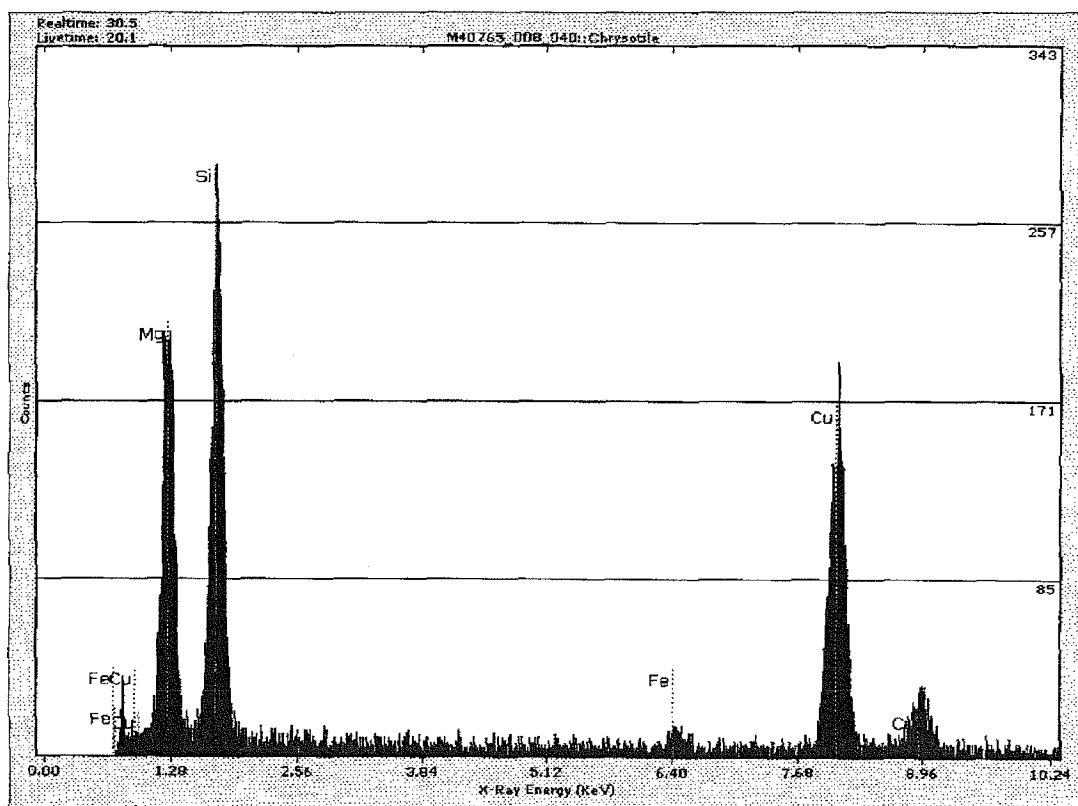


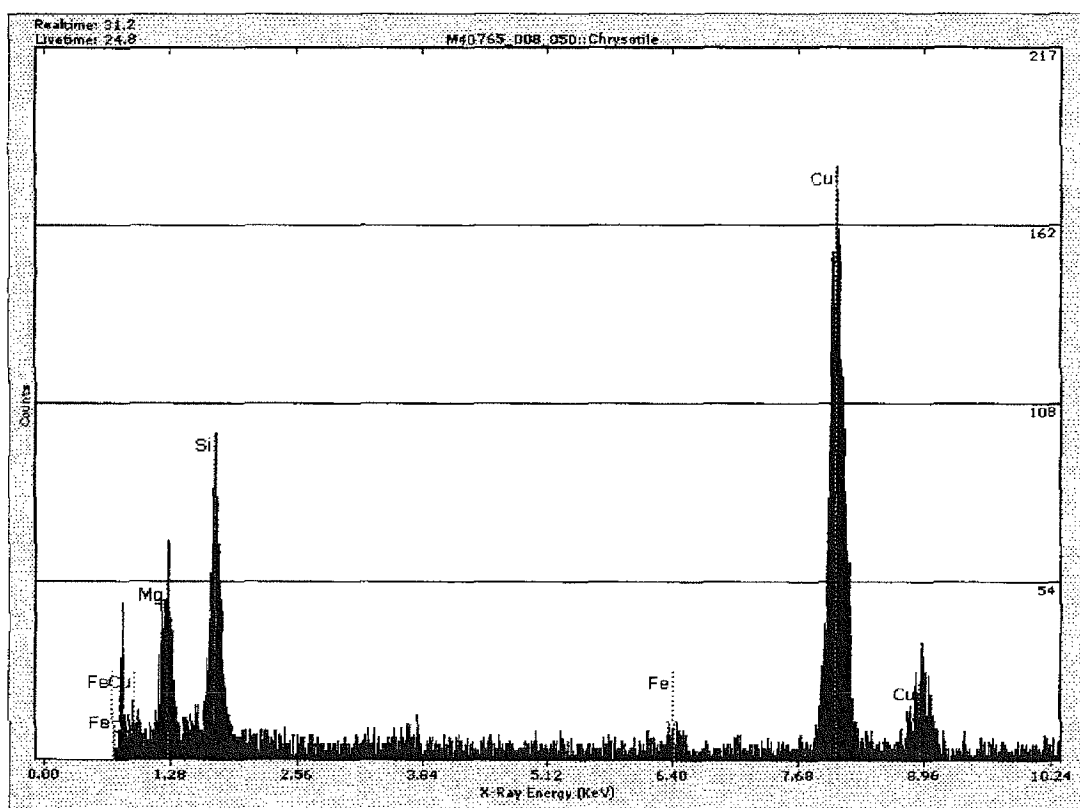


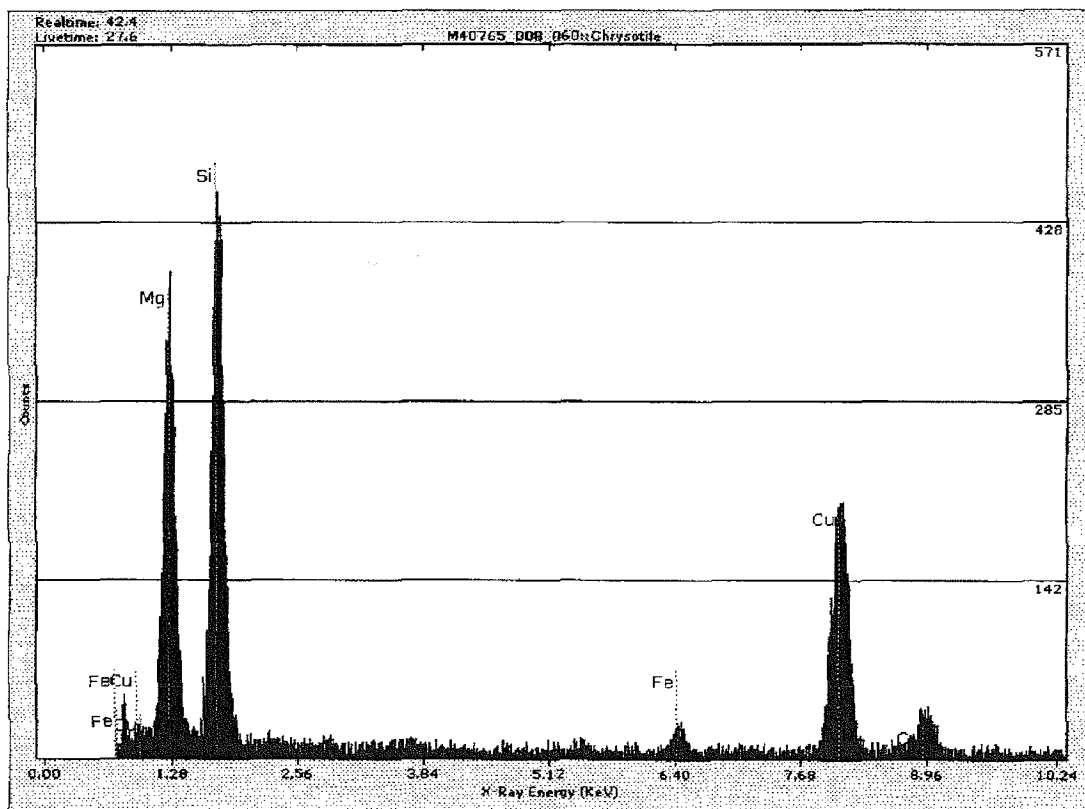


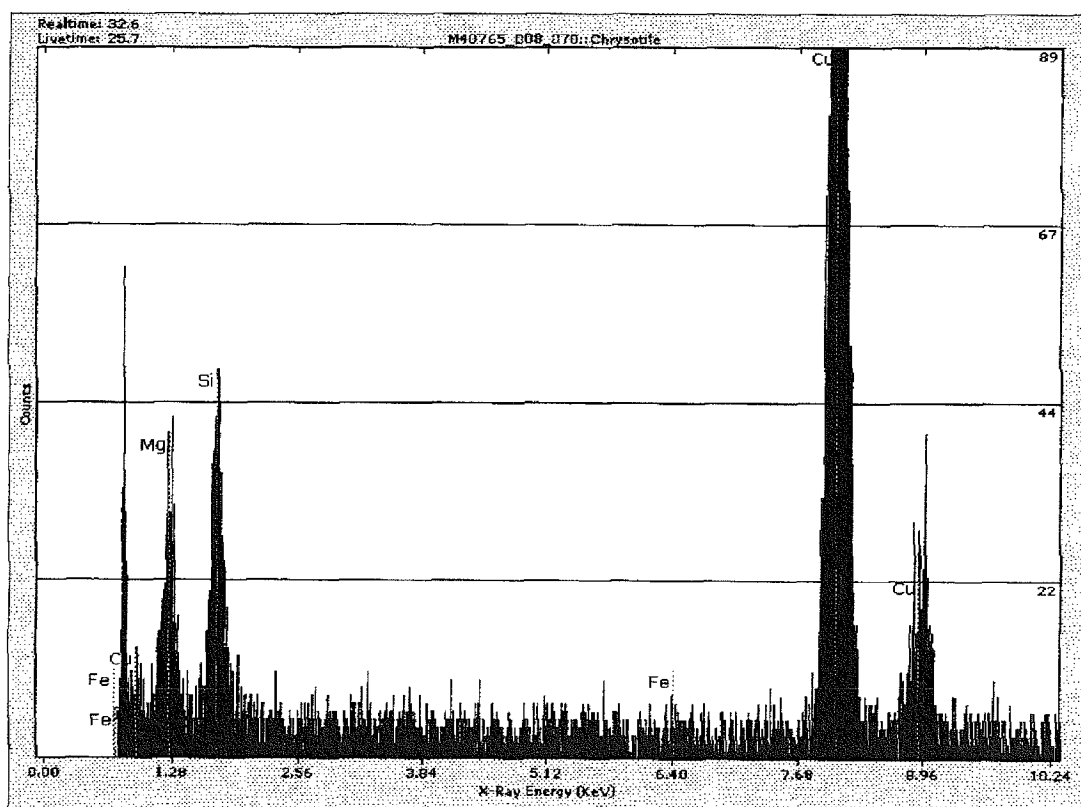


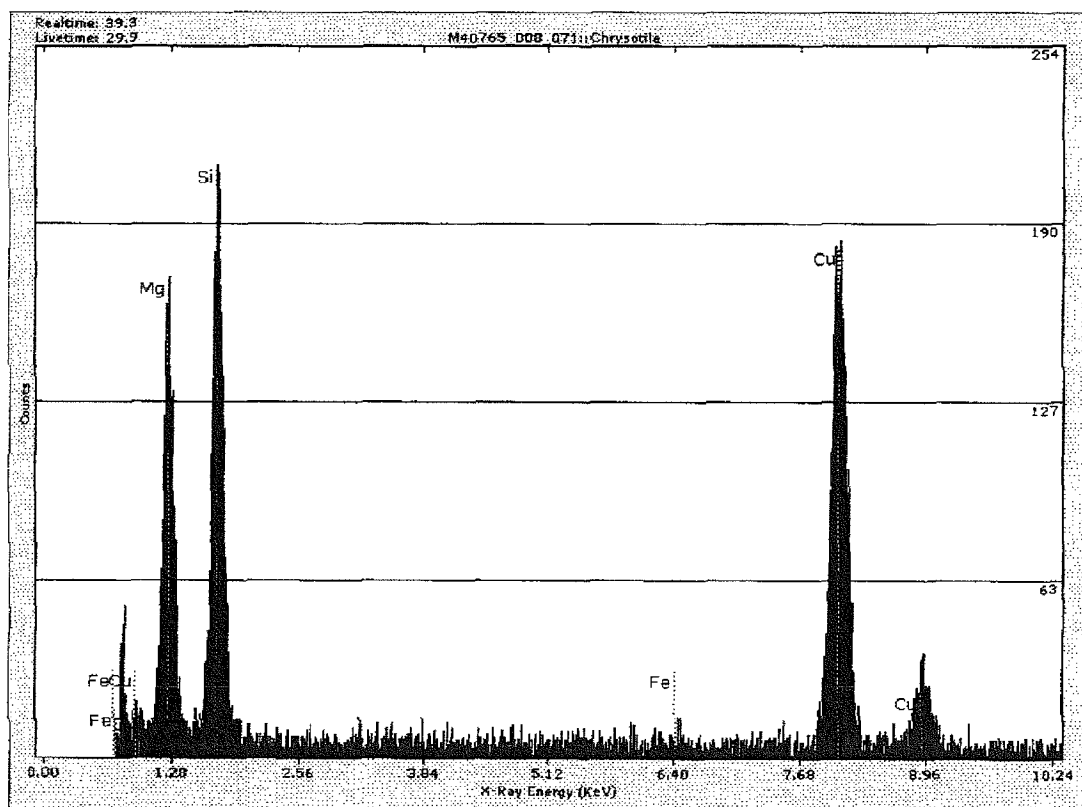














**STATE OF OREGON  
PASSIVE DUST SAMPLE LOG  
SEPTEMBER 2006**

**Computing Center, University of Oregon; Eugene, Oregon  
September 13, 2006**

<b>Sample Number</b>	<b>Sample Location/Description</b>	<b>Photograph Number</b>	<b>Results</b>
COMP- 18	1 <sup>st</sup> floor, corridor outside room 193, RJ Lee passive dust sampler above ceiling	13 16:25B	

SEND RESULTS TO:

Compass Environmental, Inc.  
 1751 McCollum Parkway  
 Kennesaw, Georgia 30144  
 Telephone: (770) 499-7127  
 Facsimile: (770) 423-7402

PROJECT NAME: Dies & Hile - Oregon Bluffs  
 PROJECT NO.: 8026

## CHAIN OF CUSTODY

SAMPLE NUMBER	SAMPLE NUMBER	SAMPLE NUMBER	SAMPLE NUMBER	SAMPLE NUMBER
Comp 18				

NAME OF ANALYTICAL LABORATORY: MAS

ACTION TAKEN ON SAMPLES	SIGNATURE	PRINT NAME	TITLE	DATE/TIME RECEIVED	DATE/TIME TRANSFERRED
Collected	<i>William M. Ewing</i>	William M. Ewing	Technical Director	9/13/06	10/5/06
Received	<i>William M. Ewing</i>	<del>William M. Ewing</del>	MAS	10/6/06	

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